1. Effective (Isotropic) Radiated Power Output Data

1.1 B4_1.4MHz_EIRP

1.1.1 Test Result

Band: 4 / Bandwidth: 1.4MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dbi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1710.7	1	0	23.75	0.34	24.09	<=30	Pass
			2	23.64	0.34	23.98	<=30	Pass
			5	23.71	0.34	24.05	<=30	Pass
		3	0	23.80	0.34	24.14	<=30	Pass
			2	23.85	0.34	24.19	<=30	Pass
			3	23.82	0.34	24.16	<=30	Pass
		6	0	22.90	0.34	23.24	<=30	Pass
	1732.5	1	0	23.67	0.34	24.01	<=30	Pass
			2	23.63	0.34	23.97	<=30	Pass
			5	23.71	0.34	24.05	<=30	Pass
		3	0	23.73	0.34	24.07	<=30	Pass
			2	23.76	0.34	24.10	<=30	Pass
			3	23.79	0.34	24.13	<=30	Pass
		6	0	22.88	0.34	23.22	<=30	Pass
	1754.3	1	0	23.46	0.34	23.80	<=30	Pass
			2	23.47	0.34	23.81	<=30	Pass
			5	23.48	0.34	23.82	<=30	Pass
		3	0	23.58	0.34	23.92	<=30	Pass
			2	23.61	0.34	23.95	<=30	Pass
			3	23.52	0.34	23.86	<=30	Pass
		6	0	22.70	0.34	23.04	<=30	Pass
16QAM	1710.7	1	0	22.99	0.34	23.33	<=30	Pass
			2	22.97	0.34	23.31	<=30	Pass
			5	23.03	0.34	23.37	<=30	Pass
		3	0	22.85	0.34	23.19	<=30	Pass
			2	23.10	0.34	23.44	<=30	Pass
			3	22.86	0.34	23.20	<=30	Pass
		6	0	21.98	0.34	22.32	<=30	Pass
	1732.5	1	0	23.09	0.34	23.43	<=30	Pass
			2	23.06	0.34	23.40	<=30	Pass
			5	22.93	0.34	23.27	<=30	Pass
		3	0	23.04	0.34	23.38	<=30	Pass
			2	23.06	0.34	23.40	<=30	Pass
			3	22.84	0.34	23.18	<=30	Pass
		6	0	21.92	0.34	22.26	<=30	Pass
	1754.3	1	0	22.87	0.34	23.21	<=30	Pass
			2	22.86	0.34	23.20	<=30	Pass
			5	22.85	0.34	23.19	<=30	Pass
		3	0	22.69	0.34	23.03	<=30	Pass
			2	22.87	0.34	23.21	<=30	Pass
			3	22.61	0.34	22.95	<=30	Pass
		6	0	21.76	0.34	22.10	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.2 B4_3MHz_EIRP

1.2.1 Test Result

Band: 4 / Bandwidth: 3MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dbi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1711.5	1	0	23.83	0.34	24.17	<=30	Pass
			7	23.72	0.34	24.06	<=30	Pass
			14	23.82	0.34	24.16	<=30	Pass
		8	0	22.92	0.34	23.26	<=30	Pass
			4	22.92	0.34	23.26	<=30	Pass
			7	22.93	0.34	23.27	<=30	Pass
		15	0	22.97	0.34	23.31	<=30	Pass
	1732.5	1	0	23.76	0.34	24.10	<=30	Pass
			7	23.66	0.34	24.00	<=30	Pass
			14	23.72	0.34	24.06	<=30	Pass
		8	0	22.89	0.34	23.23	<=30	Pass
			4	22.88	0.34	23.22	<=30	Pass
			7	22.89	0.34	23.23	<=30	Pass
		15	0	22.90	0.34	23.24	<=30	Pass
	1753.5	1	0	23.56	0.34	23.90	<=30	Pass
			7	23.46	0.34	23.80	<=30	Pass
			14	23.55	0.34	23.89	<=30	Pass
		8	0	22.68	0.34	23.02	<=30	Pass
			4	22.66	0.34	23.00	<=30	Pass
			7	22.66	0.34	23.00	<=30	Pass
		15	0	22.70	0.34	23.04	<=30	Pass
16QAM	1711.5	1	0	23.01	0.34	23.35	<=30	Pass
			7	23.01	0.34	23.35	<=30	Pass
			14	22.99	0.34	23.33	<=30	Pass
		8	0	22.03	0.34	22.37	<=30	Pass
			4	21.99	0.34	22.33	<=30	Pass
			7	22.02	0.34	22.36	<=30	Pass
		15	0	22.02	0.34	22.36	<=30	Pass
	1732.5	1	0	23.12	0.34	23.46	<=30	Pass
			7	23.08	0.34	23.42	<=30	Pass
			14	23.07	0.34	23.41	<=30	Pass
		8	0	21.86	0.34	22.20	<=30	Pass
			4	21.85	0.34	22.19	<=30	Pass
			7	21.87	0.34	22.21	<=30	Pass
		15	0	21.90	0.34	22.24	<=30	Pass
	1753.5	1	0	22.79	0.34	23.13	<=30	Pass
			7	22.75	0.34	23.09	<=30	Pass
			14	22.74	0.34	23.08	<=30	Pass
		8	0	21.78	0.34	22.12	<=30	Pass
			4	21.75	0.34	22.09	<=30	Pass
			7	21.72	0.34	22.06	<=30	Pass
		15	0	21.78	0.34	22.12	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.3 B4_5MHz_EIRP

1.3.1 Test Result

Band: 4 / Bandwidth: 5MHz / NTNV

Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dbi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1712.5	1	0	24.34	0.34	24.68	<=30	Pass
			13	23.83	0.34	24.17	<=30	Pass
			24	24.14	0.34	24.48	<=30	Pass
		12	0	22.95	0.34	23.29	<=30	Pass
			6	22.91	0.34	23.25	<=30	Pass
			13	22.96	0.34	23.30	<=30	Pass
		25	0	22.93	0.34	23.27	<=30	Pass
	1732.5	1	0	23.96	0.34	24.30	<=30	Pass
			13	23.72	0.34	24.06	<=30	Pass
			24	24.02	0.34	24.36	<=30	Pass
		12	0	22.90	0.34	23.24	<=30	Pass
			6	22.90	0.34	23.24	<=30	Pass
			13	22.93	0.34	23.27	<=30	Pass
		25	0	22.90	0.34	23.24	<=30	Pass
	1752.5	1	0	24.10	0.34	24.44	<=30	Pass
			13	23.59	0.34	23.93	<=30	Pass
			24	23.92	0.34	24.26	<=30	Pass
		12	0	22.80	0.34	23.14	<=30	Pass
			6	22.73	0.34	23.07	<=30	Pass
			13	22.65	0.34	22.99	<=30	Pass
		25	0	22.73	0.34	23.07	<=30	Pass
16QAM	1712.5	1	0	23.14	0.34	23.48	<=30	Pass
			13	23.03	0.34	23.37	<=30	Pass
			24	23.10	0.34	23.44	<=30	Pass
		12	0	21.94	0.34	22.28	<=30	Pass
			6	21.93	0.34	22.27	<=30	Pass
			13	21.98	0.34	22.32	<=30	Pass
		25	0	21.99	0.34	22.33	<=30	Pass
	1732.5	1	0	23.16	0.34	23.50	<=30	Pass
			13	23.16	0.34	23.50	<=30	Pass
			24	23.23	0.34	23.57	<=30	Pass
		12	0	21.92	0.34	22.26	<=30	Pass
			6	21.92	0.34	22.26	<=30	Pass
			13	21.93	0.34	22.27	<=30	Pass
		25	0	21.94	0.34	22.28	<=30	Pass
	1752.5	1	0	22.92	0.34	23.26	<=30	Pass
			13	22.78	0.34	23.12	<=30	Pass
			24	22.88	0.34	23.22	<=30	Pass
		12	0	21.80	0.34	22.14	<=30	Pass
			6	21.76	0.34	22.10	<=30	Pass
			13	21.70	0.34	22.04	<=30	Pass
		25	0	21.79	0.34	22.13	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.4 B4_10MHz_EIRP

1.4.1 Test Result

Band: 4 / Bandwidth: 10MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dbi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1715	1	0	24.20	0.34	24.54	<=30	Pass
			25	23.90	0.34	24.24	<=30	Pass

			49	24.03	0.34	24.37	<=30	Pass
		25	0	22.93	0.34	23.27	<=30	Pass
			13	22.99	0.34	23.33	<=30	Pass
			25	22.99	0.34	23.33	<=30	Pass
		50	0	22.95	0.34	23.29	<=30	Pass
	1732.5	1	0	24.00	0.34	24.34	<=30	Pass
			25	23.75	0.34	24.09	<=30	Pass
			49	24.04	0.34	24.38	<=30	Pass
		25	0	22.90	0.34	23.24	<=30	Pass
			13	22.93	0.34	23.27	<=30	Pass
			25	22.96	0.34	23.30	<=30	Pass
		50	0	22.95	0.34	23.29	<=30	Pass
	1750	1	0	24.04	0.34	24.38	<=30	Pass
			25	23.59	0.34	23.93	<=30	Pass
			49	23.84	0.34	24.18	<=30	Pass
		25	0	22.79	0.34	23.13	<=30	Pass
			13	22.76	0.34	23.10	<=30	Pass
			25	22.71	0.34	23.05	<=30	Pass
		50	0	22.75	0.34	23.09	<=30	Pass
16QAM	1715	1	0	23.06	0.34	23.40	<=30	Pass
			25	23.02	0.34	23.36	<=30	Pass
			49	23.04	0.34	23.38	<=30	Pass
		25	0	22.01	0.34	22.35	<=30	Pass
			13	22.06	0.34	22.40	<=30	Pass
			25	22.07	0.34	22.41	<=30	Pass
		50	0	21.93	0.34	22.27	<=30	Pass
	1732.5	1	0	23.13	0.34	23.47	<=30	Pass
			25	23.05	0.34	23.39	<=30	Pass
			49	22.94	0.34	23.28	<=30	Pass
		25	0	21.94	0.34	22.28	<=30	Pass
			13	21.96	0.34	22.30	<=30	Pass
			25	22.00	0.34	22.34	<=30	Pass
		50	0	21.96	0.34	22.30	<=30	Pass
	1750	1	0	22.91	0.34	23.25	<=30	Pass
			25	22.80	0.34	23.14	<=30	Pass
			49	22.81	0.34	23.15	<=30	Pass
		25	0	21.88	0.34	22.22	<=30	Pass
			13	21.85	0.34	22.19	<=30	Pass
			25	21.80	0.34	22.14	<=30	Pass
		50	0	21.72	0.34	22.06	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.5 B4_15MHz_EIRP

1.5.1 Test Result

Band: 4 / Bandwidth: 15MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dbi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1717.5	1	0	23.82	0.34	24.16	<=30	Pass
			38	23.72	0.34	24.06	<=30	Pass
			74	23.72	0.34	24.06	<=30	Pass
		36	0	22.87	0.34	23.21	<=30	Pass
			18	22.86	0.34	23.20	<=30	Pass
			39	22.84	0.34	23.18	<=30	Pass

		75	0	22.88	0.34	23.22	<=30	Pass
	1732.5	1	0	23.78	0.34	24.12	<=30	Pass
			38	23.74	0.34	24.08	<=30	Pass
			74	23.76	0.34	24.10	<=30	Pass
		36	0	22.86	0.34	23.20	<=30	Pass
			18	22.87	0.34	23.21	<=30	Pass
			39	22.92	0.34	23.26	<=30	Pass
		75	0	22.94	0.34	23.28	<=30	Pass
	1747.5	1	0	23.83	0.34	24.17	<=30	Pass
			38	23.55	0.34	23.89	<=30	Pass
			74	23.48	0.34	23.82	<=30	Pass
		36	0	22.72	0.34	23.06	<=30	Pass
			18	22.76	0.34	23.10	<=30	Pass
			39	22.69	0.34	23.03	<=30	Pass
		75	0	22.70	0.34	23.04	<=30	Pass
16QAM	1717.5	1	0	23.28	0.34	23.62	<=30	Pass
			38	23.22	0.34	23.56	<=30	Pass
			74	23.22	0.34	23.56	<=30	Pass
		36	0	21.90	0.34	22.24	<=30	Pass
			18	21.92	0.34	22.26	<=30	Pass
			39	21.87	0.34	22.21	<=30	Pass
		75	0	21.87	0.34	22.21	<=30	Pass
	1732.5	1	0	23.06	0.34	23.40	<=30	Pass
			38	23.08	0.34	23.42	<=30	Pass
			74	23.01	0.34	23.35	<=30	Pass
		36	0	21.91	0.34	22.25	<=30	Pass
			18	21.92	0.34	22.26	<=30	Pass
			39	21.93	0.34	22.27	<=30	Pass
		75	0	21.95	0.34	22.29	<=30	Pass
	1747.5	1	0	23.19	0.34	23.53	<=30	Pass
			38	23.05	0.34	23.39	<=30	Pass
			74	22.98	0.34	23.32	<=30	Pass
		36	0	21.72	0.34	22.06	<=30	Pass
			18	21.77	0.34	22.11	<=30	Pass
			39	21.72	0.34	22.06	<=30	Pass
		75	0	21.70	0.34	22.04	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.6 B4_20MHz_EIRP

1.6.1 Test Result

Band: 4 / Bandwidth: 20MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dbi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1720	1	0	23.96	0.34	24.30	<=30	Pass
			50	23.68	0.34	24.02	<=30	Pass
			99	24.00	0.34	24.34	<=30	Pass
		50	0	22.97	0.34	23.31	<=30	Pass
			25	22.97	0.34	23.31	<=30	Pass
			50	22.80	0.34	23.14	<=30	Pass
		100	0	22.88	0.34	23.22	<=30	Pass
	1732.5	1	0	23.97	0.34	24.31	<=30	Pass
			50	23.76	0.34	24.10	<=30	Pass
			99	23.85	0.34	24.19	<=30	Pass

		50	0	22.96	0.34	23.30	<=30	Pass
			25	22.91	0.34	23.25	<=30	Pass
			50	23.03	0.34	23.37	<=30	Pass
		100	0	23.01	0.34	23.35	<=30	Pass
	1745	1	0	23.97	0.34	24.31	<=30	Pass
			50	23.63	0.34	23.97	<=30	Pass
			99	23.77	0.34	24.11	<=30	Pass
		50	0	22.72	0.34	23.06	<=30	Pass
			25	22.84	0.34	23.18	<=30	Pass
			50	22.77	0.34	23.11	<=30	Pass
		100	0	22.72	0.34	23.06	<=30	Pass
16QAM	1720	1	0	23.59	0.34	23.93	<=30	Pass
			50	23.52	0.34	23.86	<=30	Pass
			99	23.51	0.34	23.85	<=30	Pass
		50	0	21.94	0.34	22.28	<=30	Pass
			25	21.94	0.34	22.28	<=30	Pass
			50	21.79	0.34	22.13	<=30	Pass
		100	0	21.86	0.34	22.20	<=30	Pass
	1732.5	1	0	23.15	0.34	23.49	<=30	Pass
			50	23.14	0.34	23.48	<=30	Pass
			99	23.01	0.34	23.35	<=30	Pass
		50	0	21.97	0.34	22.31	<=30	Pass
			25	21.90	0.34	22.24	<=30	Pass
			50	22.00	0.34	22.34	<=30	Pass
		100	0	22.00	0.34	22.34	<=30	Pass
	1745	1	0	23.45	0.34	23.79	<=30	Pass
			50	23.43	0.34	23.77	<=30	Pass
			99	23.32	0.34	23.66	<=30	Pass
		50	0	21.69	0.34	22.03	<=30	Pass
			25	21.81	0.34	22.15	<=30	Pass
			50	21.73	0.34	22.07	<=30	Pass
		100	0	21.71	0.34	22.05	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

2. Frequency Stability

2.1 B4_1.4MHz

2.1.1 Test Result

Band: 4 / Bandwidth: 1.4MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1710.7	6	0	20	3.23	0.000	0.0000	-2.5 to 2.5	Pass
					3.8	2.360	0.0014	-2.5 to 2.5	Pass
					4.37	3.448	0.0020	-2.5 to 2.5	Pass
				-30	3.8	1.259	0.0007	-2.5 to 2.5	Pass
				-20	3.8	1.101	0.0006	-2.5 to 2.5	Pass
				-10	3.8	-2.389	-0.0014	-2.5 to 2.5	Pass
				0	3.8	5.593	0.0033	-2.5 to 2.5	Pass
				10	3.8	-4.606	-0.0027	-2.5 to 2.5	Pass
				30	3.8	2.232	0.0013	-2.5 to 2.5	Pass
				40	3.8	-0.472	-0.0003	-2.5 to 2.5	Pass
				50	3.8	7.024	0.0041	-2.5 to 2.5	Pass

	1732.5	6	0	20	3.23	5.937	0.0034	-2.5 to 2.5	Pass
					3.8	3.176	0.0018	-2.5 to 2.5	Pass
					4.37	3.734	0.0022	-2.5 to 2.5	Pass
				-30	3.8	3.061	0.0018	-2.5 to 2.5	Pass
				-20	3.8	1.144	0.0007	-2.5 to 2.5	Pass
				-10	3.8	-1.044	-0.0006	-2.5 to 2.5	Pass
				0	3.8	-3.977	-0.0023	-2.5 to 2.5	Pass
				10	3.8	3.476	0.0020	-2.5 to 2.5	Pass
				30	3.8	4.091	0.0024	-2.5 to 2.5	Pass
				40	3.8	-0.072	0.0000	-2.5 to 2.5	Pass
				50	3.8	-0.758	-0.0004	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.23	8.655	0.0049	-2.5 to 2.5	Pass
					3.8	4.592	0.0026	-2.5 to 2.5	Pass
					4.37	4.034	0.0023	-2.5 to 2.5	Pass
				-30	3.8	-1.001	-0.0006	-2.5 to 2.5	Pass
				-20	3.8	-0.257	-0.0001	-2.5 to 2.5	Pass
				-10	3.8	5.279	0.0030	-2.5 to 2.5	Pass
				0	3.8	2.332	0.0013	-2.5 to 2.5	Pass
				10	3.8	4.764	0.0027	-2.5 to 2.5	Pass
				30	3.8	2.246	0.0013	-2.5 to 2.5	Pass
				40	3.8	1.373	0.0008	-2.5 to 2.5	Pass
				50	3.8	-1.516	-0.0009	-2.5 to 2.5	Pass
16QAM	1710.7	6	0	20	3.23	-0.486	-0.0003	-2.5 to 2.5	Pass
					3.8	2.761	0.0016	-2.5 to 2.5	Pass
					4.37	4.048	0.0024	-2.5 to 2.5	Pass
				-30	3.8	1.545	0.0009	-2.5 to 2.5	Pass
				-20	3.8	2.847	0.0017	-2.5 to 2.5	Pass
				-10	3.8	1.230	0.0007	-2.5 to 2.5	Pass
				0	3.8	-2.446	-0.0014	-2.5 to 2.5	Pass
				10	3.8	4.592	0.0027	-2.5 to 2.5	Pass
				30	3.8	-3.061	-0.0018	-2.5 to 2.5	Pass
				40	3.8	0.014	0.0000	-2.5 to 2.5	Pass
				50	3.8	4.263	0.0025	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.23	0.086	0.0000	-2.5 to 2.5	Pass
					3.8	1.302	0.0008	-2.5 to 2.5	Pass
					4.37	-0.844	-0.0005	-2.5 to 2.5	Pass
				-30	3.8	3.862	0.0022	-2.5 to 2.5	Pass
				-20	3.8	1.845	0.0011	-2.5 to 2.5	Pass
				-10	3.8	2.618	0.0015	-2.5 to 2.5	Pass
				0	3.8	3.161	0.0018	-2.5 to 2.5	Pass
				10	3.8	0.730	0.0004	-2.5 to 2.5	Pass
				30	3.8	4.463	0.0026	-2.5 to 2.5	Pass
				40	3.8	3.805	0.0022	-2.5 to 2.5	Pass
				50	3.8	0.930	0.0005	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.23	3.333	0.0019	-2.5 to 2.5	Pass
					3.8	1.960	0.0011	-2.5 to 2.5	Pass
					4.37	2.532	0.0014	-2.5 to 2.5	Pass
				-30	3.8	1.402	0.0008	-2.5 to 2.5	Pass
				-20	3.8	0.858	0.0005	-2.5 to 2.5	Pass
				-10	3.8	6.924	0.0039	-2.5 to 2.5	Pass
				0	3.8	8.054	0.0046	-2.5 to 2.5	Pass
				10	3.8	5.050	0.0029	-2.5 to 2.5	Pass
				30	3.8	1.502	0.0009	-2.5 to 2.5	Pass
				40	3.8	4.764	0.0027	-2.5 to 2.5	Pass
				50	3.8	1.345	0.0008	-2.5 to 2.5	Pass

2.2 B4_3MHz

2.2.1 Test Result

Band: 4 / Bandwidth: 3MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1711.5	15	0	20	3.23	0.286	0.0002	-2.5 to 2.5	Pass
					3.8	2.489	0.0015	-2.5 to 2.5	Pass
					4.37	-1.316	-0.0008	-2.5 to 2.5	Pass
				-30	3.8	5.293	0.0031	-2.5 to 2.5	Pass
				-20	3.8	4.992	0.0029	-2.5 to 2.5	Pass
				-10	3.8	0.501	0.0003	-2.5 to 2.5	Pass
				0	3.8	4.292	0.0025	-2.5 to 2.5	Pass
				10	3.8	-1.717	-0.0010	-2.5 to 2.5	Pass
				30	3.8	6.409	0.0037	-2.5 to 2.5	Pass
				40	3.8	-0.043	0.0000	-2.5 to 2.5	Pass
				50	3.8	4.578	0.0027	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.23	-0.515	-0.0003	-2.5 to 2.5	Pass
					3.8	1.860	0.0011	-2.5 to 2.5	Pass
					4.37	2.146	0.0012	-2.5 to 2.5	Pass
				-30	3.8	1.717	0.0010	-2.5 to 2.5	Pass
				-20	3.8	-1.574	-0.0009	-2.5 to 2.5	Pass
				-10	3.8	2.532	0.0015	-2.5 to 2.5	Pass
				0	3.8	1.173	0.0007	-2.5 to 2.5	Pass
				10	3.8	3.676	0.0021	-2.5 to 2.5	Pass
				30	3.8	3.662	0.0021	-2.5 to 2.5	Pass
				40	3.8	2.918	0.0017	-2.5 to 2.5	Pass
				50	3.8	7.224	0.0042	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.23	6.967	0.0040	-2.5 to 2.5	Pass
					3.8	4.106	0.0023	-2.5 to 2.5	Pass
					4.37	-0.043	0.0000	-2.5 to 2.5	Pass
				-30	3.8	-0.172	-0.0001	-2.5 to 2.5	Pass
				-20	3.8	0.858	0.0005	-2.5 to 2.5	Pass
				-10	3.8	5.794	0.0033	-2.5 to 2.5	Pass
				0	3.8	2.375	0.0014	-2.5 to 2.5	Pass
				10	3.8	2.389	0.0014	-2.5 to 2.5	Pass
				30	3.8	3.161	0.0018	-2.5 to 2.5	Pass
				40	3.8	-2.918	-0.0017	-2.5 to 2.5	Pass
				50	3.8	4.506	0.0026	-2.5 to 2.5	Pass
16QAM	1711.5	15	0	20	3.23	1.688	0.0010	-2.5 to 2.5	Pass
					3.8	1.302	0.0008	-2.5 to 2.5	Pass
					4.37	1.087	0.0006	-2.5 to 2.5	Pass
				-30	3.8	3.562	0.0021	-2.5 to 2.5	Pass
				-20	3.8	3.018	0.0018	-2.5 to 2.5	Pass
				-10	3.8	-0.272	-0.0002	-2.5 to 2.5	Pass
				0	3.8	-0.143	-0.0001	-2.5 to 2.5	Pass
				10	3.8	1.717	0.0010	-2.5 to 2.5	Pass
				30	3.8	3.347	0.0020	-2.5 to 2.5	Pass
				40	3.8	4.263	0.0025	-2.5 to 2.5	Pass
				50	3.8	2.003	0.0012	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.23	6.423	0.0037	-2.5 to 2.5	Pass
					3.8	4.034	0.0023	-2.5 to 2.5	Pass
					4.37	6.323	0.0036	-2.5 to 2.5	Pass
				-30	3.8	4.778	0.0028	-2.5 to 2.5	Pass
				-20	3.8	0.658	0.0004	-2.5 to 2.5	Pass

				-10	3.8	2.060	0.0012	-2.5 to 2.5	Pass
				0	3.8	1.760	0.0010	-2.5 to 2.5	Pass
				10	3.8	-0.629	-0.0004	-2.5 to 2.5	Pass
				30	3.8	2.789	0.0016	-2.5 to 2.5	Pass
				40	3.8	0.472	0.0003	-2.5 to 2.5	Pass
				50	3.8	-4.263	-0.0025	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.23	4.163	0.0024	-2.5 to 2.5	Pass
					3.8	-0.343	-0.0002	-2.5 to 2.5	Pass
					4.37	-1.788	-0.0010	-2.5 to 2.5	Pass
				-30	3.8	2.117	0.0012	-2.5 to 2.5	Pass
				-20	3.8	1.659	0.0009	-2.5 to 2.5	Pass
				-10	3.8	1.817	0.0010	-2.5 to 2.5	Pass
				0	3.8	2.646	0.0015	-2.5 to 2.5	Pass
				10	3.8	6.609	0.0038	-2.5 to 2.5	Pass
				30	3.8	0.000	0.0000	-2.5 to 2.5	Pass
				40	3.8	2.933	0.0017	-2.5 to 2.5	Pass
				50	3.8	4.878	0.0028	-2.5 to 2.5	Pass

2.3 B4_5MHz

2.3.1 Test Result

Band: 4 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1712.5	25	0	20	3.23	7.939	0.0046	-2.5 to 2.5	Pass
					3.8	7.482	0.0044	-2.5 to 2.5	Pass
					4.37	5.021	0.0029	-2.5 to 2.5	Pass
				-30	3.8	7.596	0.0044	-2.5 to 2.5	Pass
				-20	3.8	5.264	0.0031	-2.5 to 2.5	Pass
				-10	3.8	8.340	0.0049	-2.5 to 2.5	Pass
				0	3.8	6.781	0.0040	-2.5 to 2.5	Pass
				10	3.8	8.011	0.0047	-2.5 to 2.5	Pass
				30	3.8	9.556	0.0056	-2.5 to 2.5	Pass
				40	3.8	5.579	0.0033	-2.5 to 2.5	Pass
				50	3.8	4.334	0.0025	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.23	-1.144	-0.0007	-2.5 to 2.5	Pass
					3.8	-2.460	-0.0014	-2.5 to 2.5	Pass
					4.37	2.160	0.0012	-2.5 to 2.5	Pass
				-30	3.8	-1.817	-0.0010	-2.5 to 2.5	Pass
				-20	3.8	-0.272	-0.0002	-2.5 to 2.5	Pass
				-10	3.8	2.031	0.0012	-2.5 to 2.5	Pass
				0	3.8	-2.675	-0.0015	-2.5 to 2.5	Pass
				10	3.8	0.629	0.0004	-2.5 to 2.5	Pass
				30	3.8	0.916	0.0005	-2.5 to 2.5	Pass
				40	3.8	-1.903	-0.0011	-2.5 to 2.5	Pass
				50	3.8	2.246	0.0013	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.23	3.433	0.0020	-2.5 to 2.5	Pass
					3.8	4.163	0.0024	-2.5 to 2.5	Pass
					4.37	5.436	0.0031	-2.5 to 2.5	Pass
				-30	3.8	3.748	0.0021	-2.5 to 2.5	Pass
				-20	3.8	3.791	0.0022	-2.5 to 2.5	Pass
				-10	3.8	5.622	0.0032	-2.5 to 2.5	Pass
				0	3.8	5.908	0.0034	-2.5 to 2.5	Pass
				10	3.8	5.779	0.0033	-2.5 to 2.5	Pass

				30	3.8	5.250	0.0030	-2.5 to 2.5	Pass
				40	3.8	3.548	0.0020	-2.5 to 2.5	Pass
				50	3.8	2.217	0.0013	-2.5 to 2.5	Pass
16QAM	1712.5	25	0	20	3.23	7.296	0.0043	-2.5 to 2.5	Pass
					3.8	2.246	0.0013	-2.5 to 2.5	Pass
					4.37	7.267	0.0042	-2.5 to 2.5	Pass
				-30	3.8	6.351	0.0037	-2.5 to 2.5	Pass
				-20	3.8	5.651	0.0033	-2.5 to 2.5	Pass
				-10	3.8	6.967	0.0041	-2.5 to 2.5	Pass
				0	3.8	5.522	0.0032	-2.5 to 2.5	Pass
				10	3.8	7.997	0.0047	-2.5 to 2.5	Pass
				30	3.8	6.351	0.0037	-2.5 to 2.5	Pass
				40	3.8	2.089	0.0012	-2.5 to 2.5	Pass
				50	3.8	8.368	0.0049	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.23	1.445	0.0008	-2.5 to 2.5	Pass
					3.8	1.202	0.0007	-2.5 to 2.5	Pass
					4.37	-1.116	-0.0006	-2.5 to 2.5	Pass
				-30	3.8	0.515	0.0003	-2.5 to 2.5	Pass
				-20	3.8	-0.458	-0.0003	-2.5 to 2.5	Pass
				-10	3.8	1.144	0.0007	-2.5 to 2.5	Pass
				0	3.8	1.831	0.0011	-2.5 to 2.5	Pass
				10	3.8	3.505	0.0020	-2.5 to 2.5	Pass
				30	3.8	2.618	0.0015	-2.5 to 2.5	Pass
				40	3.8	2.646	0.0015	-2.5 to 2.5	Pass
				50	3.8	2.532	0.0015	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.23	1.488	0.0008	-2.5 to 2.5	Pass
					3.8	1.645	0.0009	-2.5 to 2.5	Pass
					4.37	-1.459	-0.0008	-2.5 to 2.5	Pass
				-30	3.8	5.121	0.0029	-2.5 to 2.5	Pass
				-20	3.8	4.721	0.0027	-2.5 to 2.5	Pass
				-10	3.8	4.892	0.0028	-2.5 to 2.5	Pass
				0	3.8	3.204	0.0018	-2.5 to 2.5	Pass
				10	3.8	3.376	0.0019	-2.5 to 2.5	Pass
				30	3.8	6.065	0.0035	-2.5 to 2.5	Pass
				40	3.8	5.851	0.0033	-2.5 to 2.5	Pass
				50	3.8	2.360	0.0013	-2.5 to 2.5	Pass

2.4 B4_10MHz

2.4.1 Test Result

Band: 4 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1715	50	0	20	3.23	3.190	0.0019	-2.5 to 2.5	Pass
					3.8	3.862	0.0023	-2.5 to 2.5	Pass
					4.37	4.449	0.0026	-2.5 to 2.5	Pass
				-30	3.8	3.119	0.0018	-2.5 to 2.5	Pass
				-20	3.8	3.648	0.0021	-2.5 to 2.5	Pass
				-10	3.8	4.377	0.0026	-2.5 to 2.5	Pass
				0	3.8	2.632	0.0015	-2.5 to 2.5	Pass
				10	3.8	3.047	0.0018	-2.5 to 2.5	Pass
				30	3.8	2.203	0.0013	-2.5 to 2.5	Pass
				40	3.8	2.675	0.0016	-2.5 to 2.5	Pass
				50	3.8	2.475	0.0014	-2.5 to 2.5	Pass

	1732.5	50	0	20	3.23	2.961	0.0017	-2.5 to 2.5	Pass
					3.8	4.063	0.0023	-2.5 to 2.5	Pass
					4.37	4.005	0.0023	-2.5 to 2.5	Pass
				-30	3.8	4.549	0.0026	-2.5 to 2.5	Pass
				-20	3.8	4.621	0.0027	-2.5 to 2.5	Pass
				-10	3.8	6.151	0.0036	-2.5 to 2.5	Pass
				0	3.8	4.535	0.0026	-2.5 to 2.5	Pass
				10	3.8	7.224	0.0042	-2.5 to 2.5	Pass
				30	3.8	5.636	0.0033	-2.5 to 2.5	Pass
				40	3.8	7.153	0.0041	-2.5 to 2.5	Pass
				50	3.8	6.108	0.0035	-2.5 to 2.5	Pass
	1750	50	0	20	3.23	6.351	0.0036	-2.5 to 2.5	Pass
					3.8	3.176	0.0018	-2.5 to 2.5	Pass
					4.37	5.908	0.0034	-2.5 to 2.5	Pass
				-30	3.8	2.246	0.0013	-2.5 to 2.5	Pass
				-20	3.8	2.375	0.0014	-2.5 to 2.5	Pass
				-10	3.8	3.791	0.0022	-2.5 to 2.5	Pass
				0	3.8	3.161	0.0018	-2.5 to 2.5	Pass
				10	3.8	1.903	0.0011	-2.5 to 2.5	Pass
				30	3.8	2.732	0.0016	-2.5 to 2.5	Pass
				40	3.8	4.406	0.0025	-2.5 to 2.5	Pass
				50	3.8	2.103	0.0012	-2.5 to 2.5	Pass
16QAM	1715	50	0	20	3.23	0.715	0.0004	-2.5 to 2.5	Pass
					3.8	2.947	0.0017	-2.5 to 2.5	Pass
					4.37	1.960	0.0011	-2.5 to 2.5	Pass
				-30	3.8	2.489	0.0015	-2.5 to 2.5	Pass
				-20	3.8	3.119	0.0018	-2.5 to 2.5	Pass
				-10	3.8	1.874	0.0011	-2.5 to 2.5	Pass
				0	3.8	2.260	0.0013	-2.5 to 2.5	Pass
				10	3.8	4.005	0.0023	-2.5 to 2.5	Pass
				30	3.8	1.502	0.0009	-2.5 to 2.5	Pass
				40	3.8	3.462	0.0020	-2.5 to 2.5	Pass
				50	3.8	1.888	0.0011	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.23	6.938	0.0040	-2.5 to 2.5	Pass
					3.8	5.651	0.0033	-2.5 to 2.5	Pass
					4.37	0.873	0.0005	-2.5 to 2.5	Pass
				-30	3.8	0.830	0.0005	-2.5 to 2.5	Pass
				-20	3.8	1.974	0.0011	-2.5 to 2.5	Pass
				-10	3.8	0.958	0.0006	-2.5 to 2.5	Pass
				0	3.8	-4.249	-0.0025	-2.5 to 2.5	Pass
				10	3.8	-2.732	-0.0016	-2.5 to 2.5	Pass
				30	3.8	-0.458	-0.0003	-2.5 to 2.5	Pass
				40	3.8	-1.302	-0.0008	-2.5 to 2.5	Pass
				50	3.8	-1.774	-0.0010	-2.5 to 2.5	Pass
	1750	50	0	20	3.23	5.107	0.0029	-2.5 to 2.5	Pass
					3.8	3.076	0.0018	-2.5 to 2.5	Pass
					4.37	4.721	0.0027	-2.5 to 2.5	Pass
				-30	3.8	4.091	0.0023	-2.5 to 2.5	Pass
				-20	3.8	4.334	0.0025	-2.5 to 2.5	Pass
				-10	3.8	5.550	0.0032	-2.5 to 2.5	Pass
				0	3.8	5.965	0.0034	-2.5 to 2.5	Pass
				10	3.8	3.405	0.0019	-2.5 to 2.5	Pass
				30	3.8	2.890	0.0017	-2.5 to 2.5	Pass
				40	3.8	3.805	0.0022	-2.5 to 2.5	Pass
				50	3.8	3.419	0.0020	-2.5 to 2.5	Pass

2.5 B4_15MHz

2.5.1 Test Result

Band: 4 / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1717.5	75	0	20	3.23	2.046	0.0012	-2.5 to 2.5	Pass
					3.8	2.489	0.0014	-2.5 to 2.5	Pass
					4.37	1.416	0.0008	-2.5 to 2.5	Pass
				-30	3.8	3.476	0.0020	-2.5 to 2.5	Pass
				-20	3.8	1.144	0.0007	-2.5 to 2.5	Pass
				-10	3.8	3.805	0.0022	-2.5 to 2.5	Pass
				0	3.8	1.745	0.0010	-2.5 to 2.5	Pass
				10	3.8	4.992	0.0029	-2.5 to 2.5	Pass
				30	3.8	2.089	0.0012	-2.5 to 2.5	Pass
				40	3.8	1.431	0.0008	-2.5 to 2.5	Pass
				50	3.8	1.230	0.0007	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.23	2.275	0.0013	-2.5 to 2.5	Pass
					3.8	1.330	0.0008	-2.5 to 2.5	Pass
					4.37	1.087	0.0006	-2.5 to 2.5	Pass
				-30	3.8	1.030	0.0006	-2.5 to 2.5	Pass
				-20	3.8	2.203	0.0013	-2.5 to 2.5	Pass
				-10	3.8	2.260	0.0013	-2.5 to 2.5	Pass
				0	3.8	2.418	0.0014	-2.5 to 2.5	Pass
				10	3.8	2.589	0.0015	-2.5 to 2.5	Pass
				30	3.8	1.431	0.0008	-2.5 to 2.5	Pass
				40	3.8	1.874	0.0011	-2.5 to 2.5	Pass
				50	3.8	2.360	0.0014	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.23	1.631	0.0009	-2.5 to 2.5	Pass
					3.8	2.418	0.0014	-2.5 to 2.5	Pass
					4.37	2.561	0.0015	-2.5 to 2.5	Pass
				-30	3.8	2.003	0.0011	-2.5 to 2.5	Pass
				-20	3.8	3.448	0.0020	-2.5 to 2.5	Pass
				-10	3.8	4.206	0.0024	-2.5 to 2.5	Pass
				0	3.8	2.804	0.0016	-2.5 to 2.5	Pass
				10	3.8	3.476	0.0020	-2.5 to 2.5	Pass
				30	3.8	1.631	0.0009	-2.5 to 2.5	Pass
				40	3.8	3.290	0.0019	-2.5 to 2.5	Pass
				50	3.8	3.490	0.0020	-2.5 to 2.5	Pass
16QAM	1717.5	75	0	20	3.23	2.503	0.0015	-2.5 to 2.5	Pass
					3.8	1.545	0.0009	-2.5 to 2.5	Pass
					4.37	0.000	0.0000	-2.5 to 2.5	Pass
				-30	3.8	4.220	0.0025	-2.5 to 2.5	Pass
				-20	3.8	0.043	0.0000	-2.5 to 2.5	Pass
				-10	3.8	1.287	0.0007	-2.5 to 2.5	Pass
				0	3.8	2.546	0.0015	-2.5 to 2.5	Pass
				10	3.8	1.187	0.0007	-2.5 to 2.5	Pass
				30	3.8	1.845	0.0011	-2.5 to 2.5	Pass
				40	3.8	1.259	0.0007	-2.5 to 2.5	Pass
				50	3.8	1.731	0.0010	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.23	1.659	0.0010	-2.5 to 2.5	Pass
					3.8	3.147	0.0018	-2.5 to 2.5	Pass
					4.37	2.975	0.0017	-2.5 to 2.5	Pass
				-30	3.8	1.717	0.0010	-2.5 to 2.5	Pass
				-20	3.8	0.386	0.0002	-2.5 to 2.5	Pass

				-10	3.8	2.789	0.0016	-2.5 to 2.5	Pass
				0	3.8	3.605	0.0021	-2.5 to 2.5	Pass
				10	3.8	2.260	0.0013	-2.5 to 2.5	Pass
				30	3.8	2.360	0.0014	-2.5 to 2.5	Pass
				40	3.8	3.290	0.0019	-2.5 to 2.5	Pass
				50	3.8	4.420	0.0026	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.23	1.445	0.0008	-2.5 to 2.5	Pass
					3.8	2.632	0.0015	-2.5 to 2.5	Pass
					4.37	5.236	0.0030	-2.5 to 2.5	Pass
				-30	3.8	3.033	0.0017	-2.5 to 2.5	Pass
				-20	3.8	1.616	0.0009	-2.5 to 2.5	Pass
				-10	3.8	4.735	0.0027	-2.5 to 2.5	Pass
				0	3.8	2.418	0.0014	-2.5 to 2.5	Pass
				10	3.8	2.031	0.0012	-2.5 to 2.5	Pass
				30	3.8	1.016	0.0006	-2.5 to 2.5	Pass
				40	3.8	2.804	0.0016	-2.5 to 2.5	Pass
				50	3.8	3.834	0.0022	-2.5 to 2.5	Pass

2.6 B4_20MHz

2.6.1 Test Result

Band: 4 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1720	100	0	20	3.23	3.304	0.0019	-2.5 to 2.5	Pass
					3.8	3.619	0.0021	-2.5 to 2.5	Pass
					4.37	2.761	0.0016	-2.5 to 2.5	Pass
				-30	3.8	3.562	0.0021	-2.5 to 2.5	Pass
				-20	3.8	3.219	0.0019	-2.5 to 2.5	Pass
				-10	3.8	3.448	0.0020	-2.5 to 2.5	Pass
				0	3.8	1.574	0.0009	-2.5 to 2.5	Pass
				10	3.8	3.519	0.0020	-2.5 to 2.5	Pass
				30	3.8	3.533	0.0021	-2.5 to 2.5	Pass
				40	3.8	4.320	0.0025	-2.5 to 2.5	Pass
				50	3.8	3.648	0.0021	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.23	4.492	0.0026	-2.5 to 2.5	Pass
					3.8	4.020	0.0023	-2.5 to 2.5	Pass
					4.37	4.692	0.0027	-2.5 to 2.5	Pass
				-30	3.8	3.376	0.0019	-2.5 to 2.5	Pass
				-20	3.8	3.247	0.0019	-2.5 to 2.5	Pass
				-10	3.8	2.961	0.0017	-2.5 to 2.5	Pass
				0	3.8	4.449	0.0026	-2.5 to 2.5	Pass
				10	3.8	3.691	0.0021	-2.5 to 2.5	Pass
				30	3.8	3.934	0.0023	-2.5 to 2.5	Pass
				40	3.8	4.621	0.0027	-2.5 to 2.5	Pass
				50	3.8	3.619	0.0021	-2.5 to 2.5	Pass
	1745	100	0	20	3.23	0.587	0.0003	-2.5 to 2.5	Pass
					3.8	-0.629	-0.0004	-2.5 to 2.5	Pass
					4.37	2.103	0.0012	-2.5 to 2.5	Pass
				-30	3.8	-0.801	-0.0005	-2.5 to 2.5	Pass
				-20	3.8	-0.544	-0.0003	-2.5 to 2.5	Pass
				-10	3.8	-0.801	-0.0005	-2.5 to 2.5	Pass
				0	3.8	1.516	0.0009	-2.5 to 2.5	Pass
				10	3.8	-0.544	-0.0003	-2.5 to 2.5	Pass

				30	3.8	-0.086	0.0000	-2.5 to 2.5	Pass
				40	3.8	1.674	0.0010	-2.5 to 2.5	Pass
				50	3.8	1.259	0.0007	-2.5 to 2.5	Pass
16QAM	1720	100	0	20	3.23	3.791	0.0022	-2.5 to 2.5	Pass
					3.8	4.077	0.0024	-2.5 to 2.5	Pass
					4.37	4.220	0.0025	-2.5 to 2.5	Pass
				-30	3.8	3.419	0.0020	-2.5 to 2.5	Pass
				-20	3.8	3.405	0.0020	-2.5 to 2.5	Pass
				-10	3.8	3.376	0.0020	-2.5 to 2.5	Pass
				0	3.8	3.390	0.0020	-2.5 to 2.5	Pass
				10	3.8	4.721	0.0027	-2.5 to 2.5	Pass
				30	3.8	3.133	0.0018	-2.5 to 2.5	Pass
				40	3.8	2.675	0.0016	-2.5 to 2.5	Pass
				50	3.8	4.520	0.0026	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.23	4.435	0.0026	-2.5 to 2.5	Pass
					3.8	6.323	0.0036	-2.5 to 2.5	Pass
					4.37	6.394	0.0037	-2.5 to 2.5	Pass
				-30	3.8	7.224	0.0042	-2.5 to 2.5	Pass
				-20	3.8	4.506	0.0026	-2.5 to 2.5	Pass
				-10	3.8	3.047	0.0018	-2.5 to 2.5	Pass
				0	3.8	5.236	0.0030	-2.5 to 2.5	Pass
				10	3.8	3.662	0.0021	-2.5 to 2.5	Pass
				30	3.8	5.150	0.0030	-2.5 to 2.5	Pass
				40	3.8	4.692	0.0027	-2.5 to 2.5	Pass
				50	3.8	5.207	0.0030	-2.5 to 2.5	Pass
	1745	100	0	20	3.23	1.073	0.0006	-2.5 to 2.5	Pass
					3.8	-0.157	-0.0001	-2.5 to 2.5	Pass
					4.37	0.372	0.0002	-2.5 to 2.5	Pass
				-30	3.8	1.516	0.0009	-2.5 to 2.5	Pass
				-20	3.8	-0.329	-0.0002	-2.5 to 2.5	Pass
				-10	3.8	0.200	0.0001	-2.5 to 2.5	Pass
				0	3.8	-0.715	-0.0004	-2.5 to 2.5	Pass
				10	3.8	0.401	0.0002	-2.5 to 2.5	Pass
				30	3.8	-1.101	-0.0006	-2.5 to 2.5	Pass
				40	3.8	-0.343	-0.0002	-2.5 to 2.5	Pass
				50	3.8	0.587	0.0003	-2.5 to 2.5	Pass

3. Modulation Characteristics

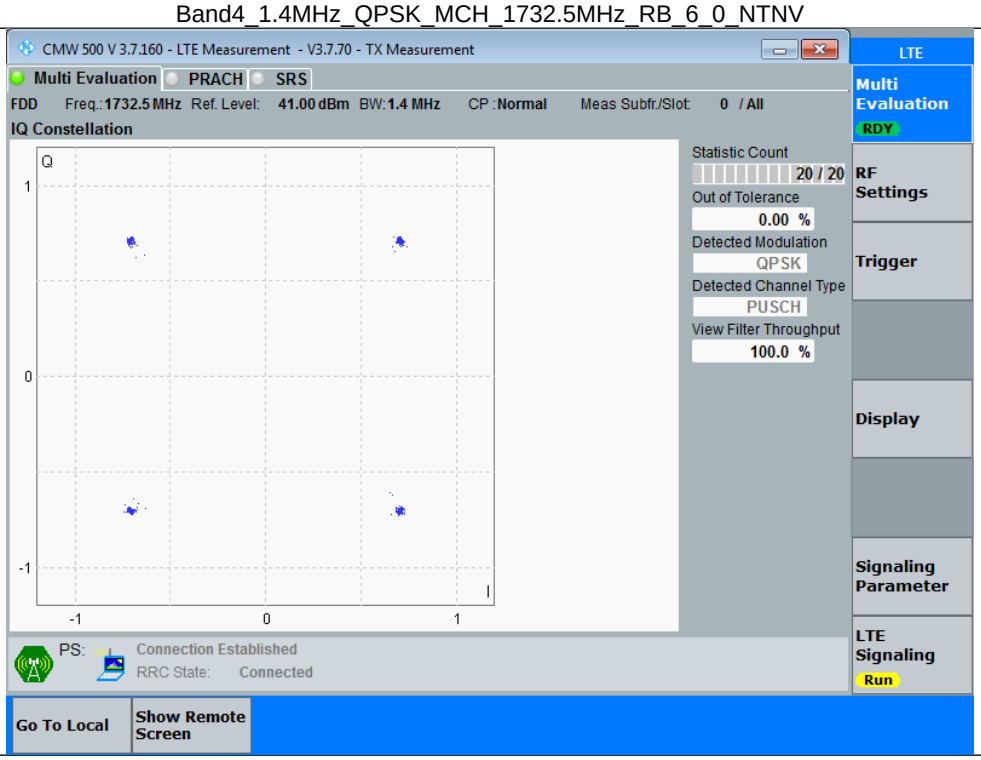
3.1 B4_1.4MHz

3.1.1 Test Result

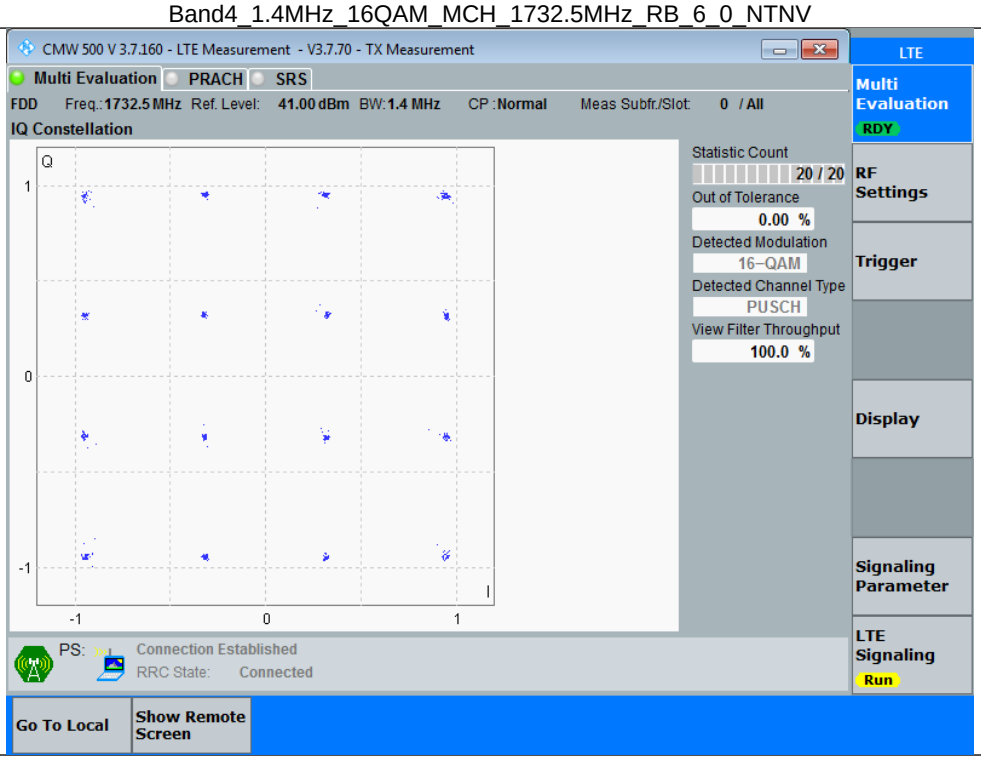
Band: 4 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	6	0	Refer To Test Graph		Pass
16QAM	1732.5	6	0	Refer To Test Graph		Pass

3.1.2 Test Graph

Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV



Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



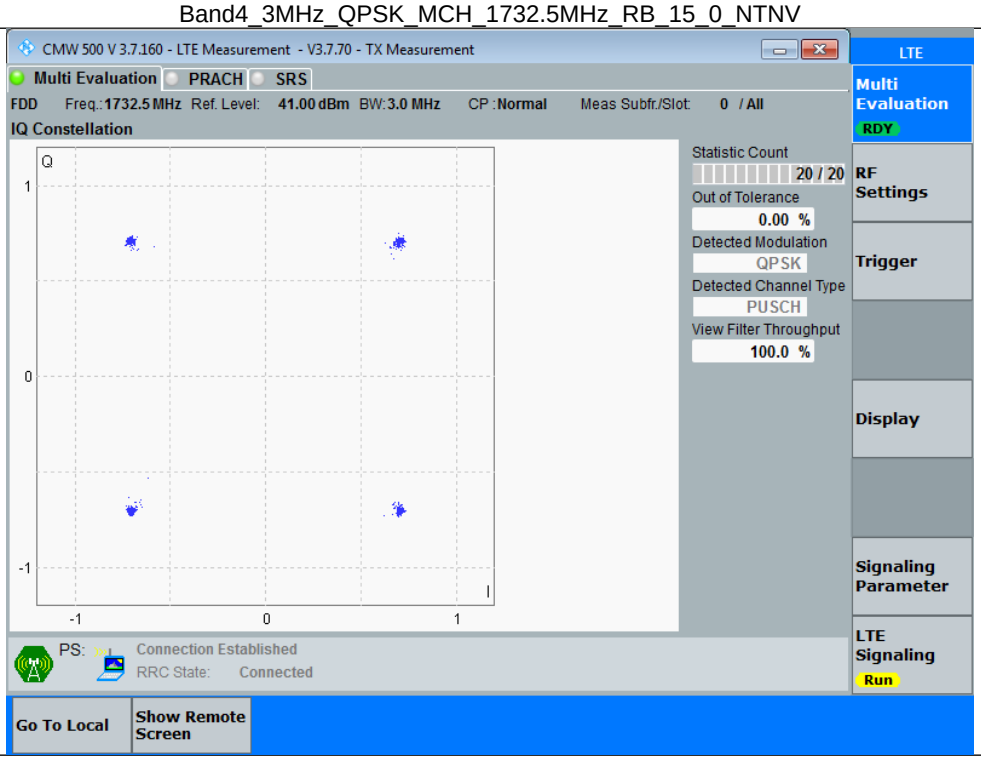
3.2 B4_3MHz

3.2.1 Test Result

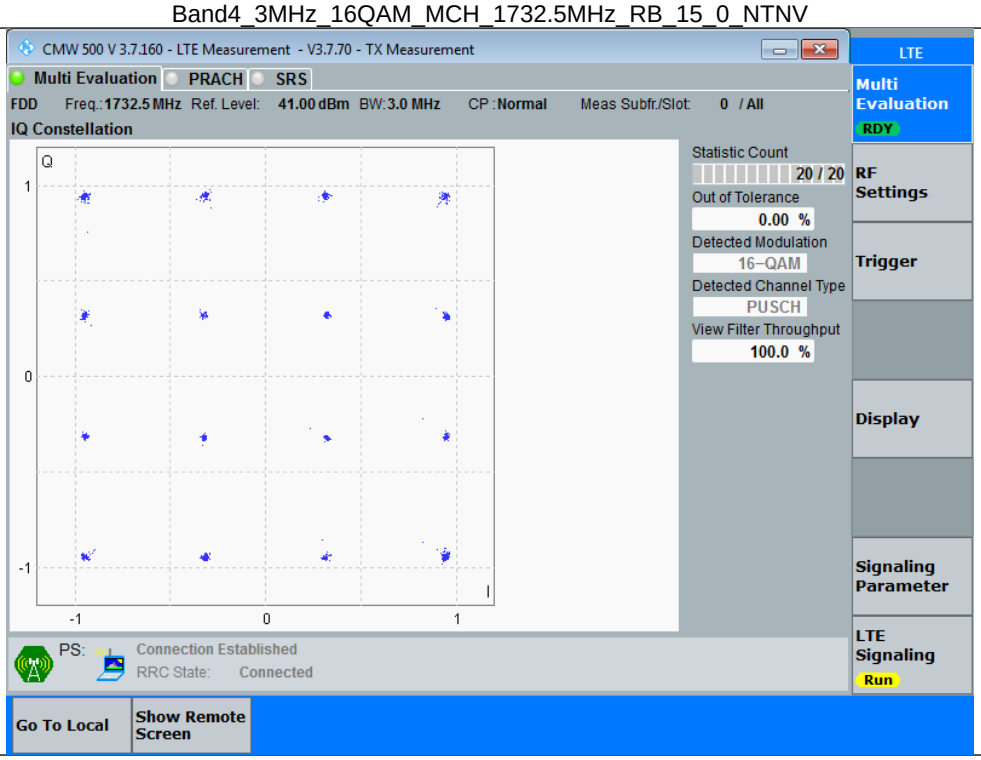
Band: 4 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	15	0	Refer To Test Graph		Pass
16QAM	1732.5	15	0	Refer To Test Graph		Pass

3.2.2 Test Graph

Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



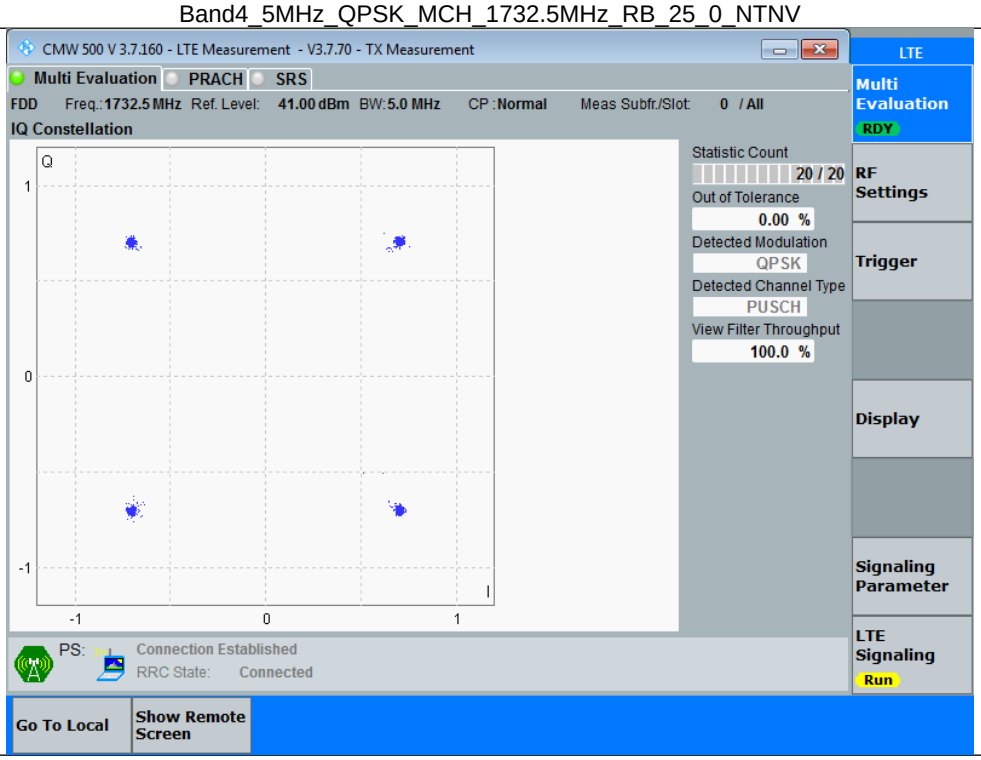
3.3 B4_5MHz

3.3.1 Test Result

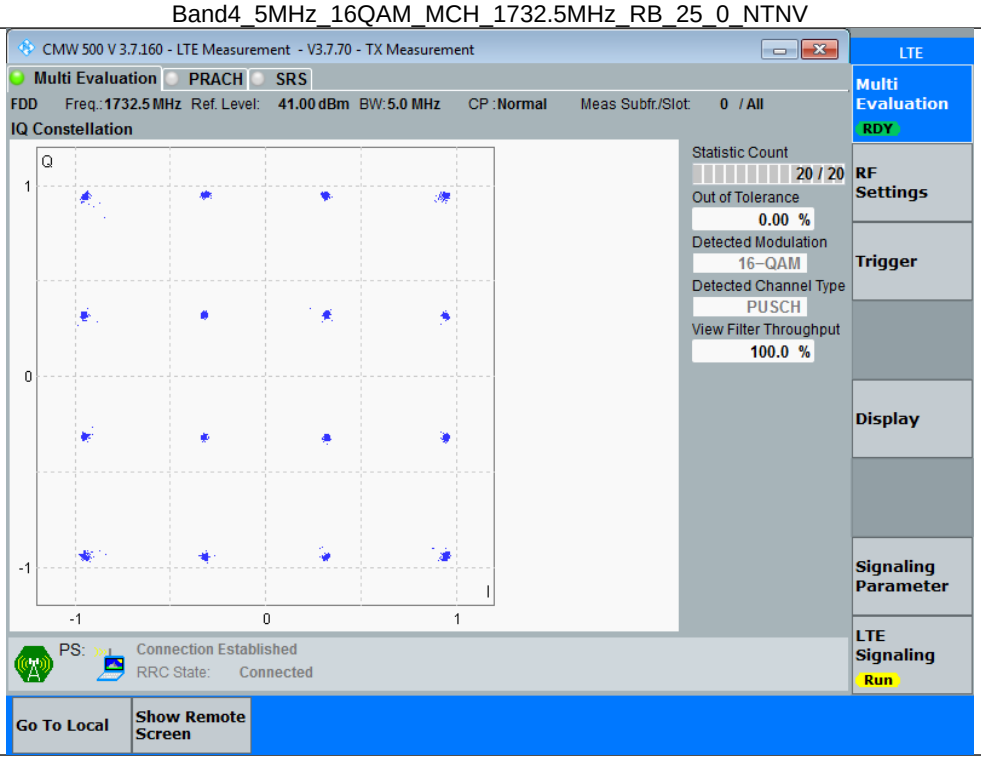
Band: 4 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	25	0	Refer To Test Graph		Pass
16QAM	1732.5	25	0	Refer To Test Graph		Pass

3.3.2 Test Graph

Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



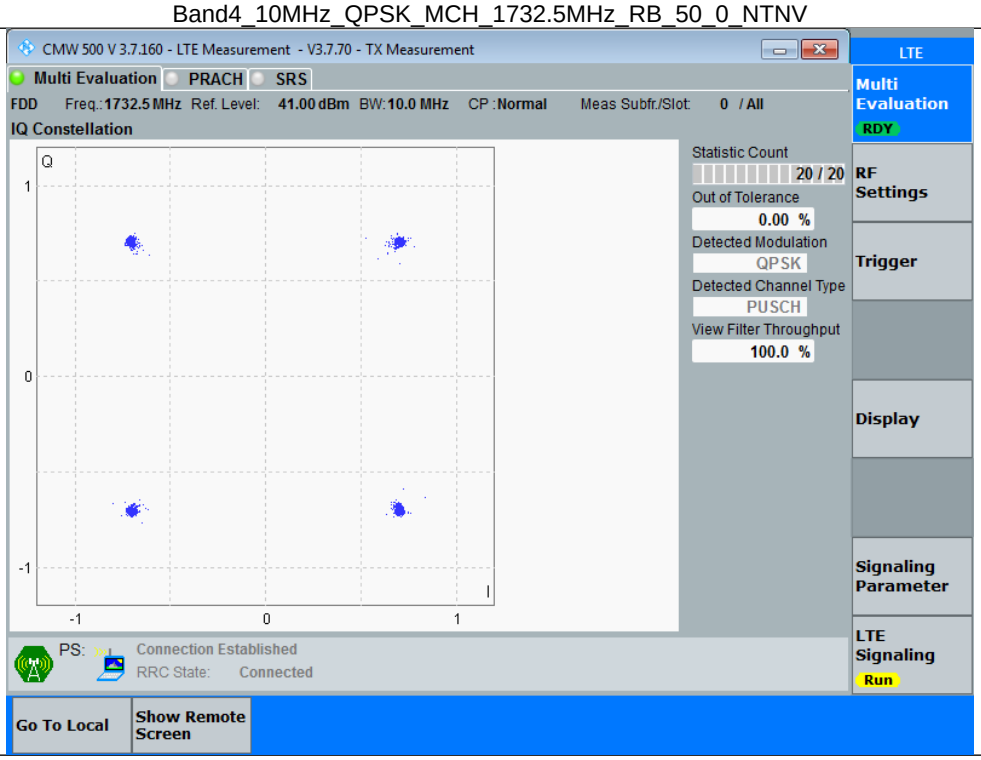
3.4 B4_10MHz

3.4.1 Test Result

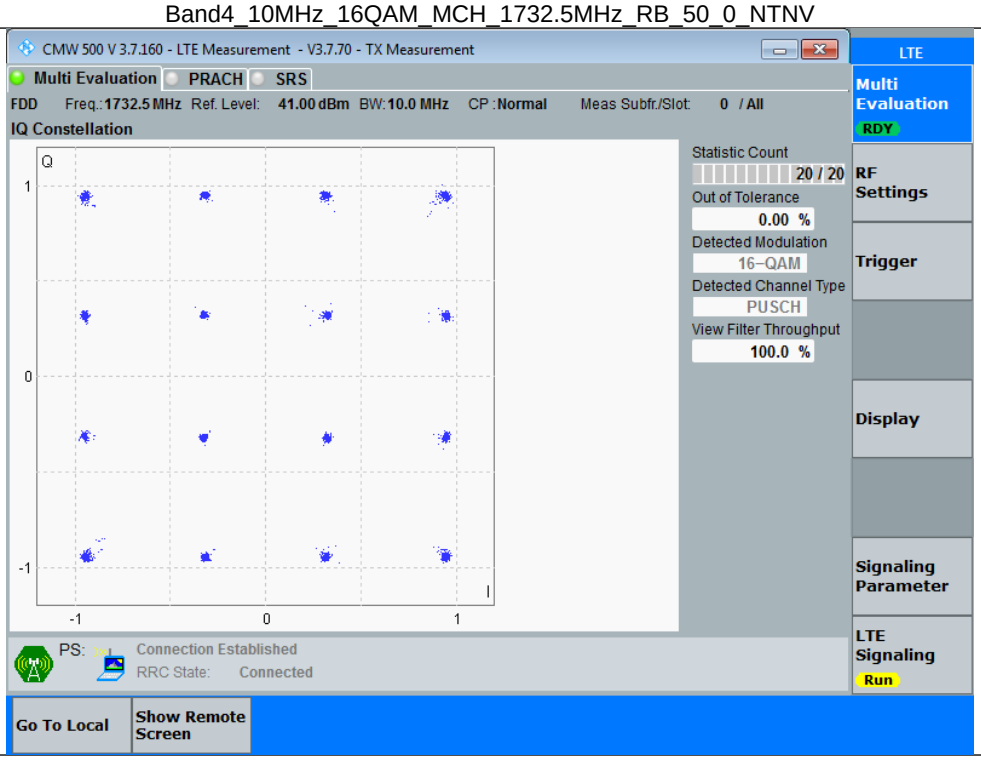
Band: 4 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	50	0	Refer To Test Graph		Pass
16QAM	1732.5	50	0	Refer To Test Graph		Pass

3.4.2 Test Graph

Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



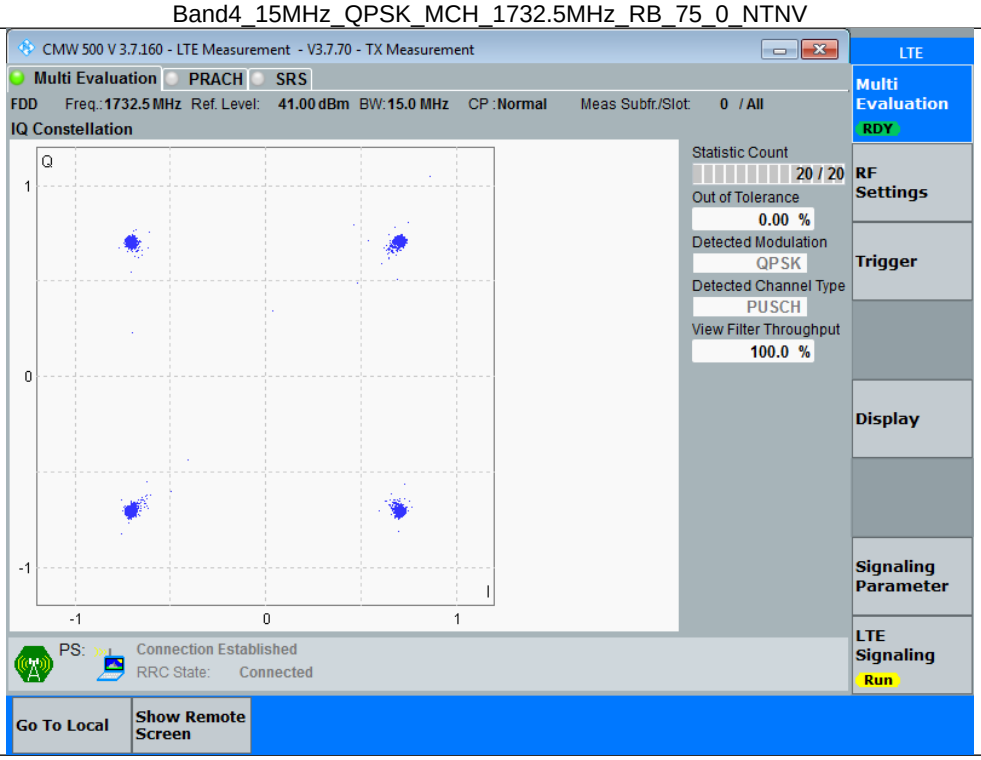
3.5 B4_15MHz

3.5.1 Test Result

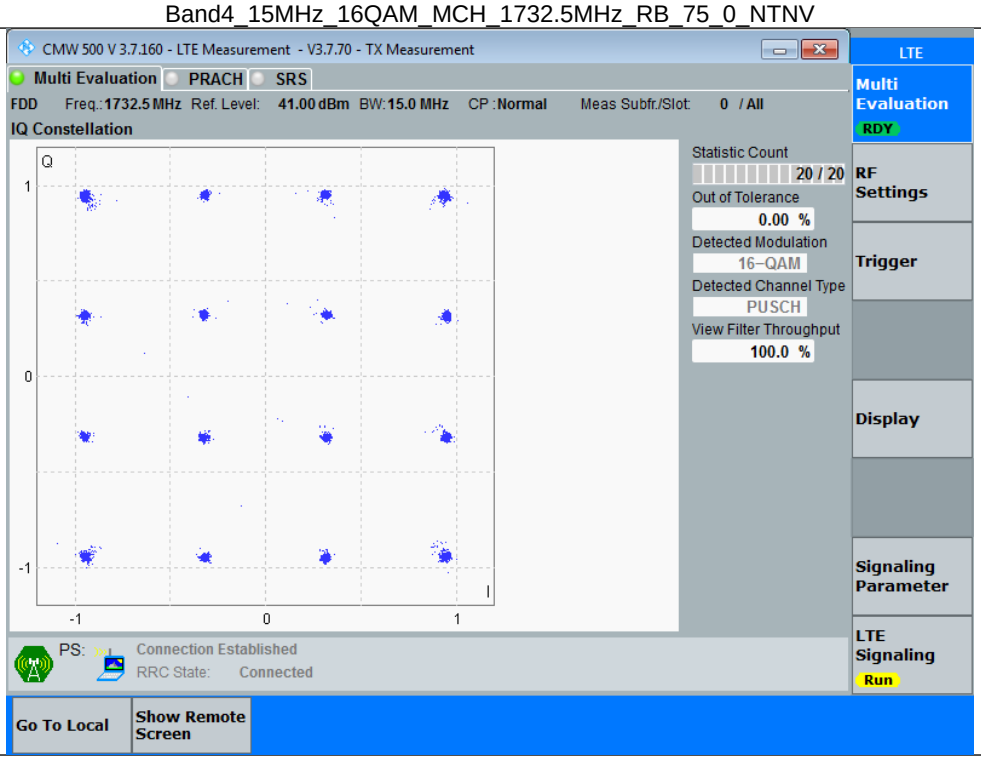
Band: 4 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	75	0	Refer To Test Graph		Pass
16QAM	1732.5	75	0	Refer To Test Graph		Pass

3.5.2 Test Graph

Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



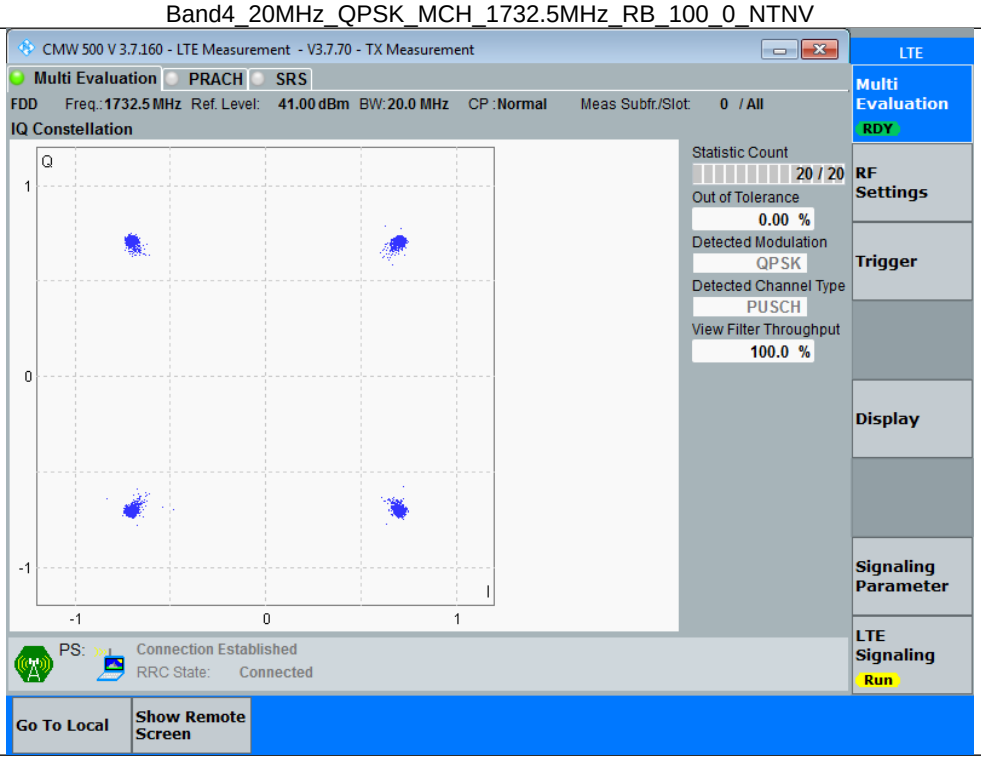
3.6 B4_20MHz

3.6.1 Test Result

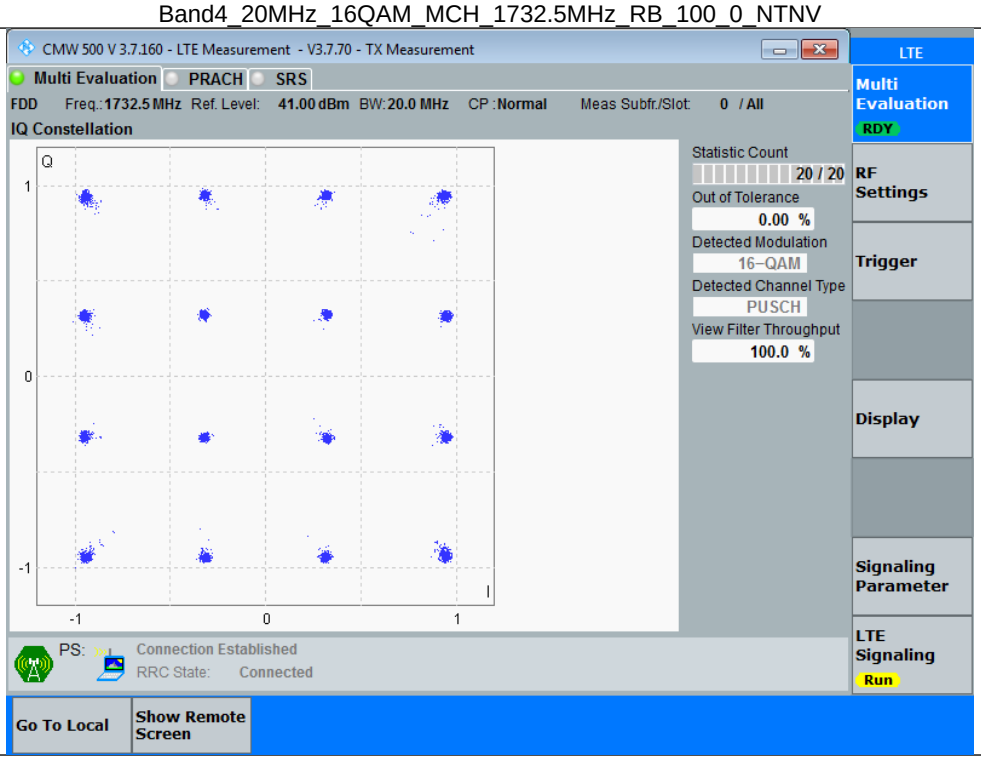
Band: 4 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	100	0	Refer To Test Graph		Pass
16QAM	1732.5	100	0	Refer To Test Graph		Pass

3.6.2 Test Graph

Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV



4. 99% & 26dB Bandwidth

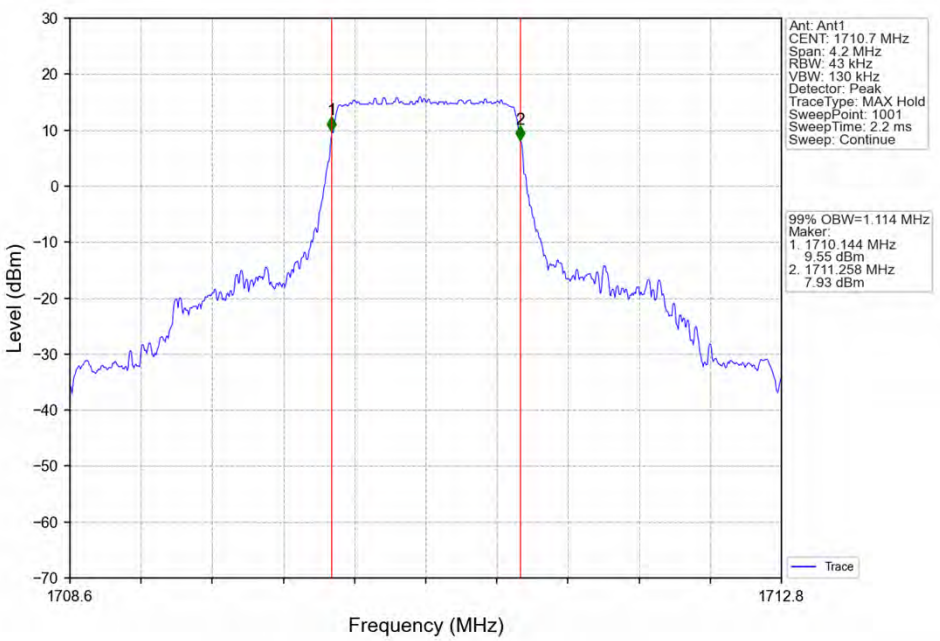
4.1 Band4_OBW

4.1.1 Test Result

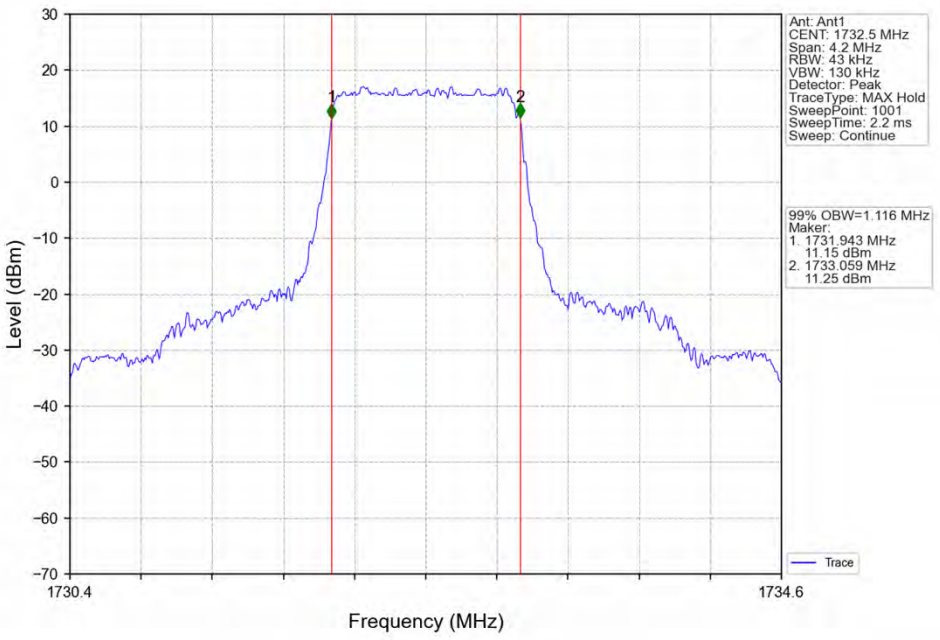
Band: 4 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)	Verdict
			Size	Offset	Result	
1.4	QPSK	1710.7	6	0	1.114	Pass
		1732.5	6	0	1.116	Pass
		1754.3	6	0	1.115	Pass
	16QAM	1710.7	6	0	1.105	Pass
		1732.5	6	0	1.114	Pass
		1754.3	6	0	1.117	Pass
3	QPSK	1711.5	15	0	2.735	Pass
		1732.5	15	0	2.735	Pass
		1753.5	15	0	2.735	Pass
	16QAM	1711.5	15	0	2.744	Pass
		1732.5	15	0	2.731	Pass
		1753.5	15	0	2.730	Pass
5	QPSK	1712.5	25	0	4.555	Pass
		1732.5	25	0	4.534	Pass
		1752.5	25	0	4.552	Pass
	16QAM	1712.5	25	0	4.537	Pass
		1732.5	25	0	4.553	Pass
		1752.5	25	0	4.560	Pass
10	QPSK	1715	50	0	9.075	Pass
		1732.5	50	0	9.055	Pass
		1750	50	0	9.051	Pass
	16QAM	1715	50	0	9.078	Pass
		1732.5	50	0	9.058	Pass
		1750	50	0	9.049	Pass
15	QPSK	1717.5	75	0	13.593	Pass
		1732.5	75	0	13.578	Pass
		1747.5	75	0	13.536	Pass
	16QAM	1717.5	75	0	13.556	Pass
		1732.5	75	0	13.612	Pass
		1747.5	75	0	13.559	Pass
20	QPSK	1720	100	0	18.058	Pass
		1732.5	100	0	18.188	Pass
		1745	100	0	18.068	Pass
	16QAM	1720	100	0	18.181	Pass
		1732.5	100	0	18.140	Pass
		1745	100	0	18.069	Pass

4.1.2 Test Graph

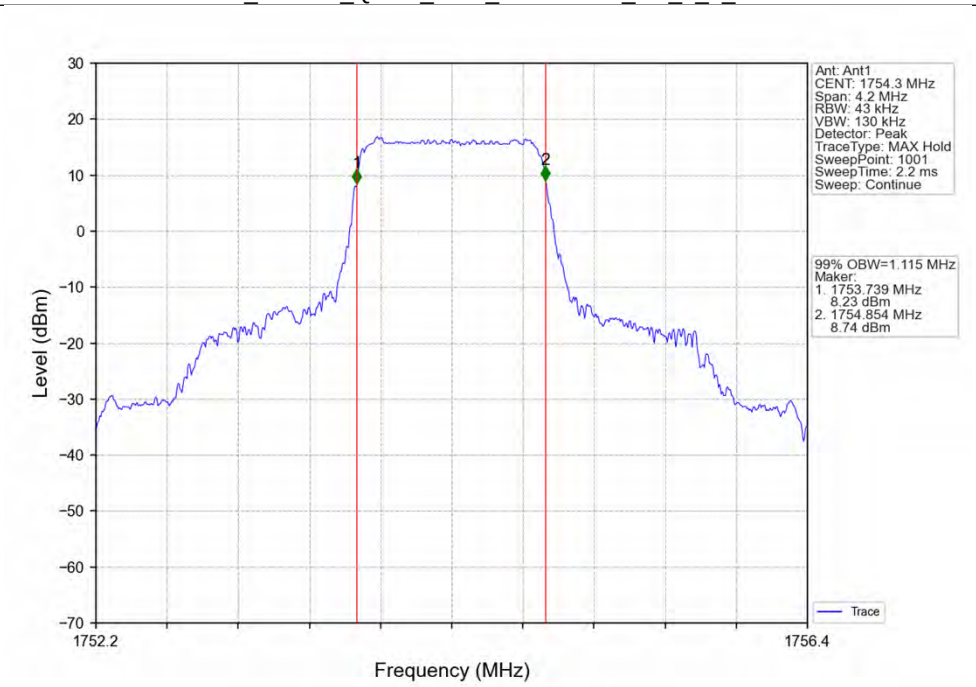
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



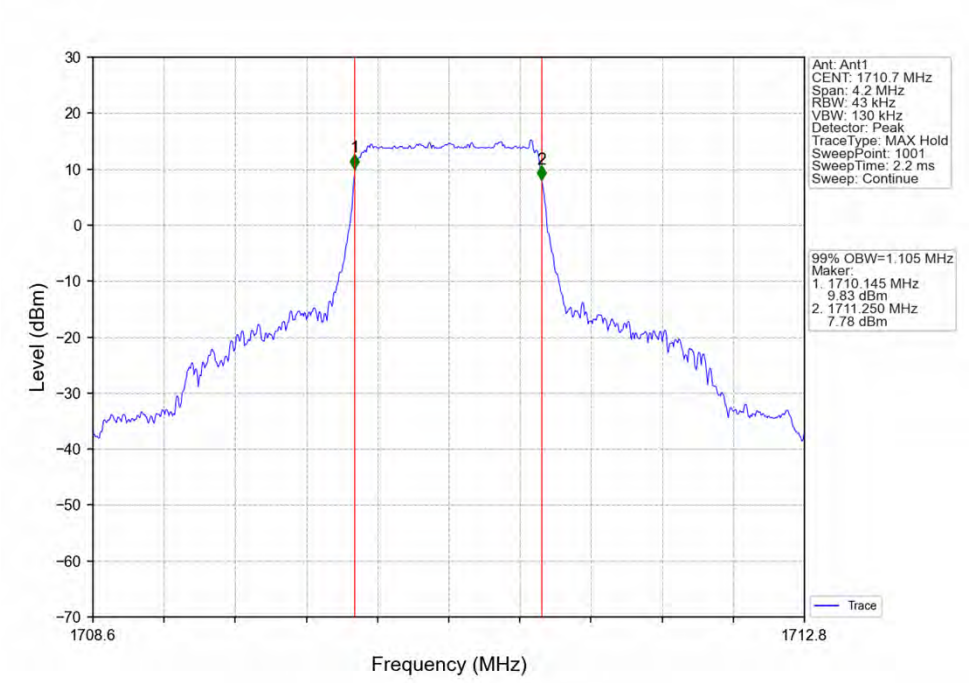
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV



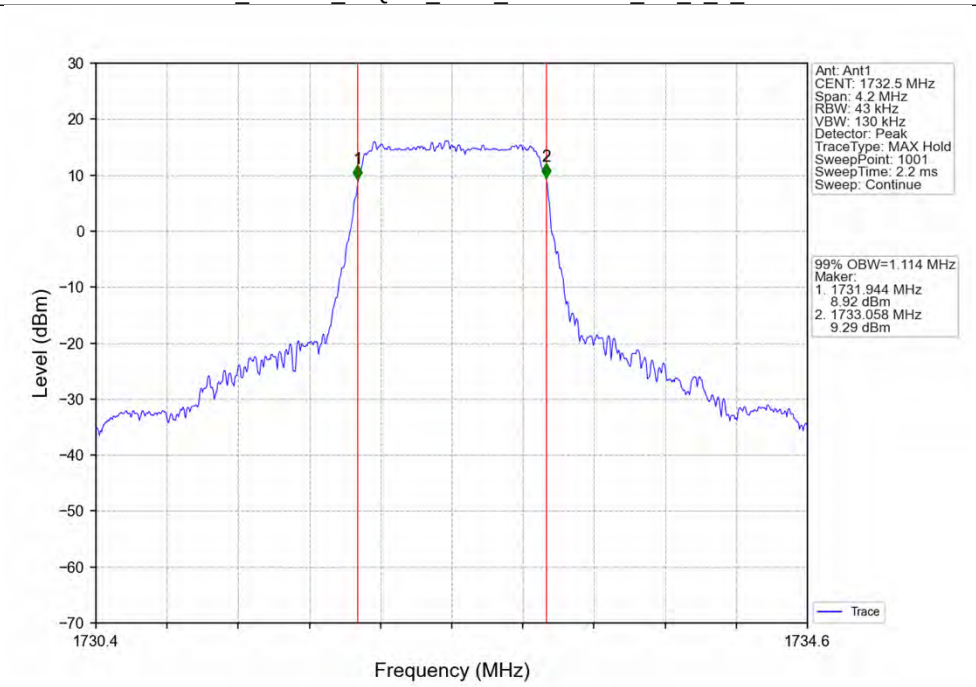
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



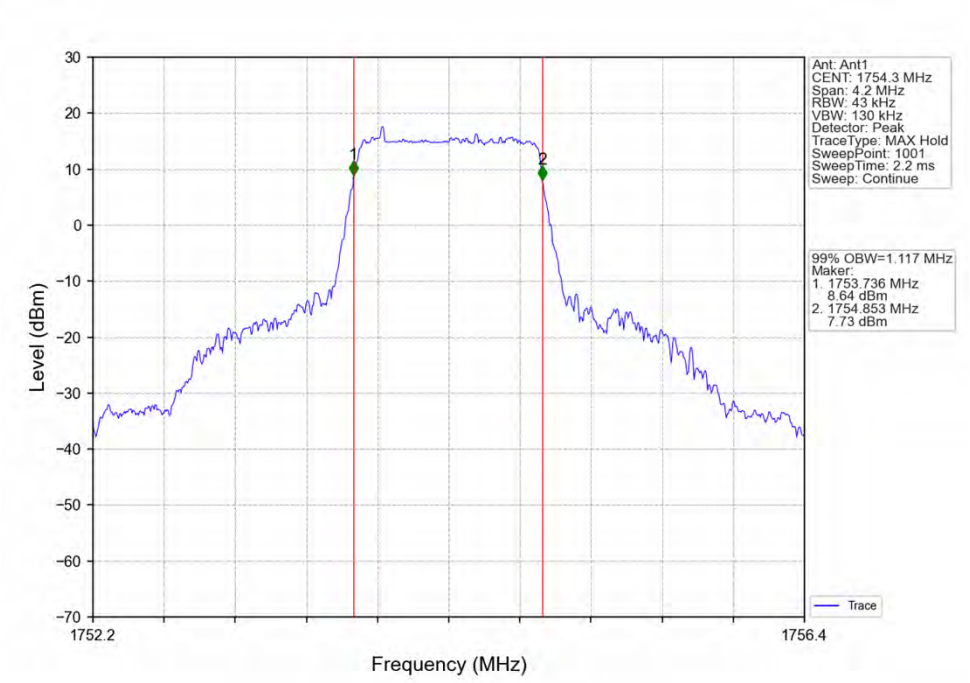
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



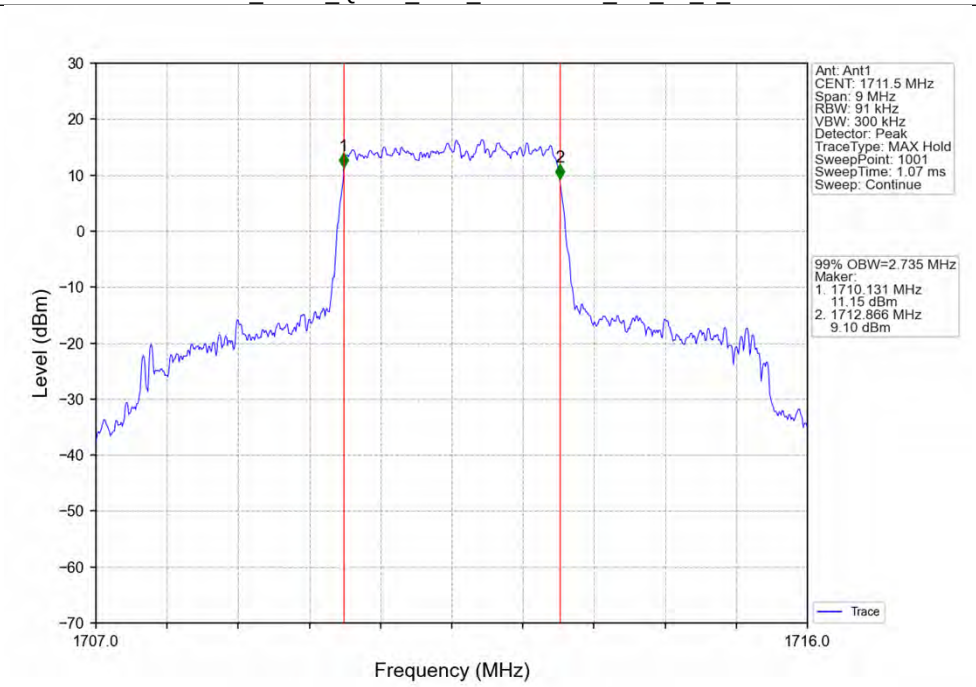
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



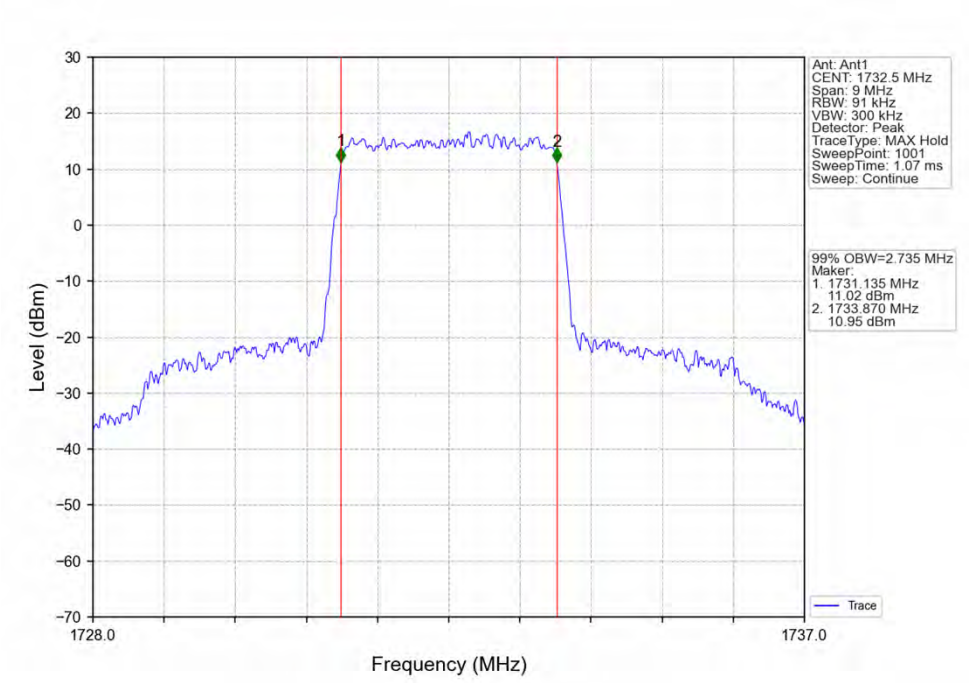
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



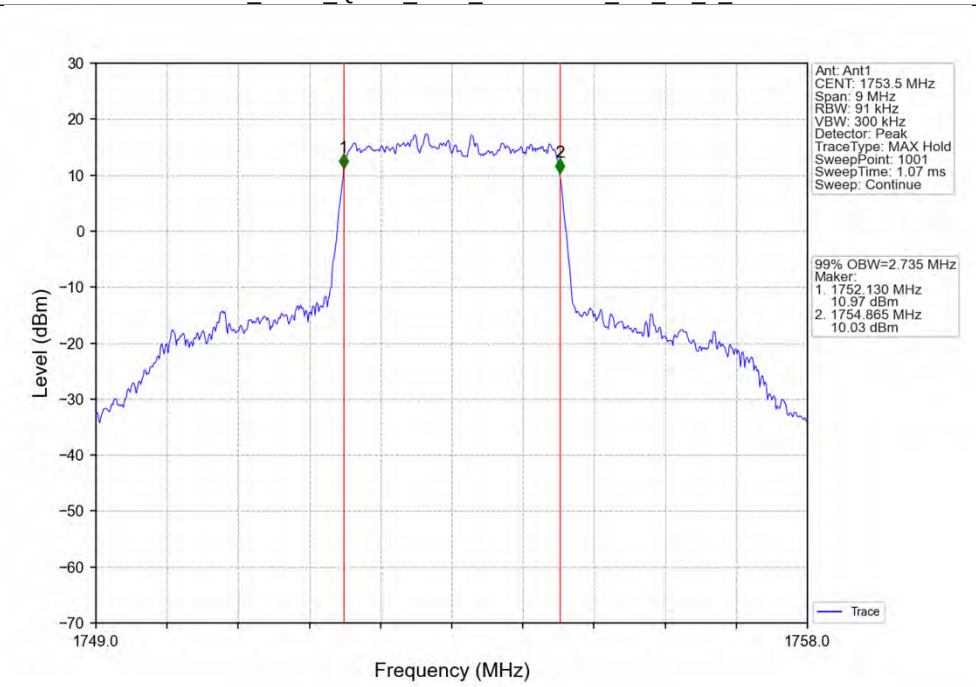
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



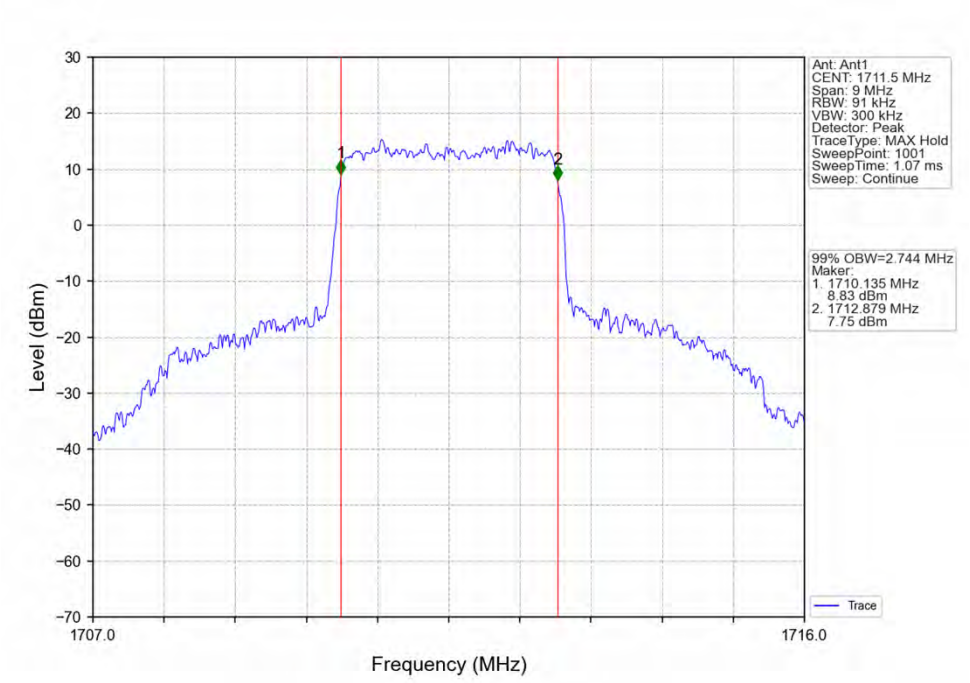
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



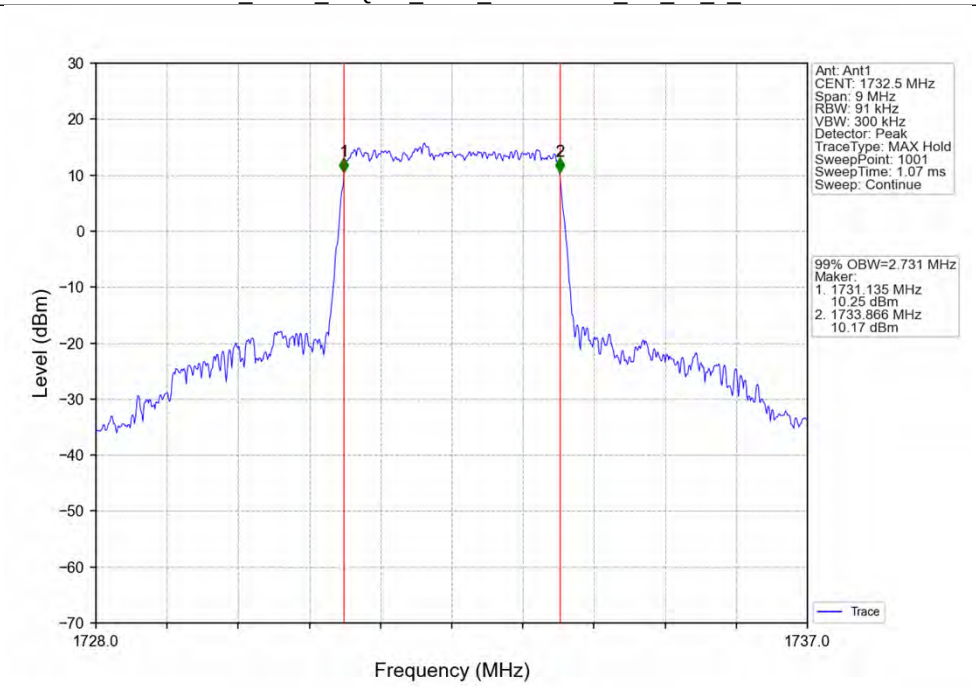
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



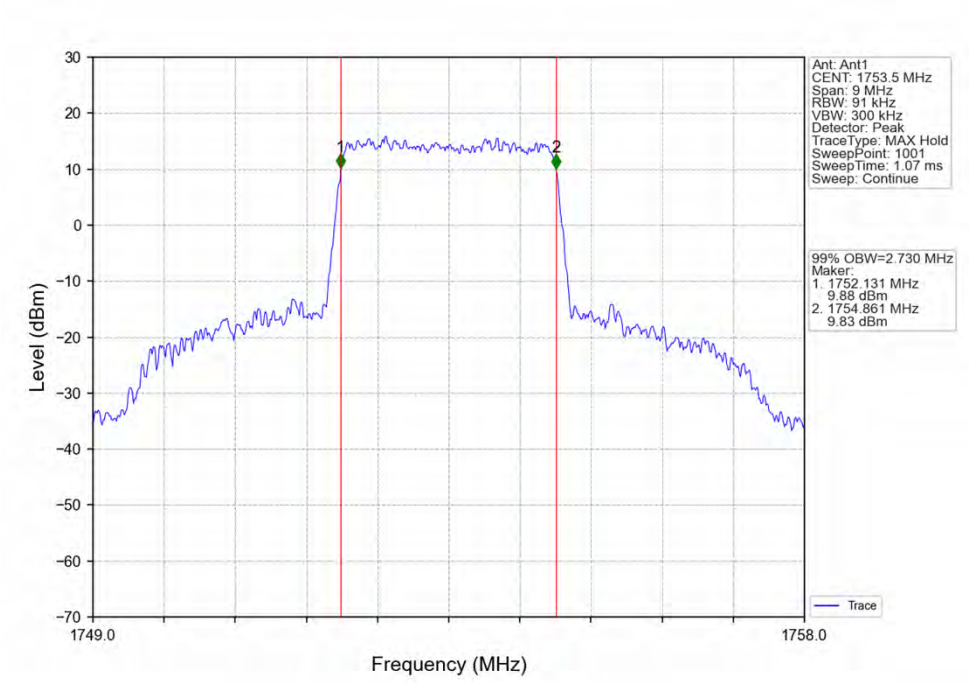
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



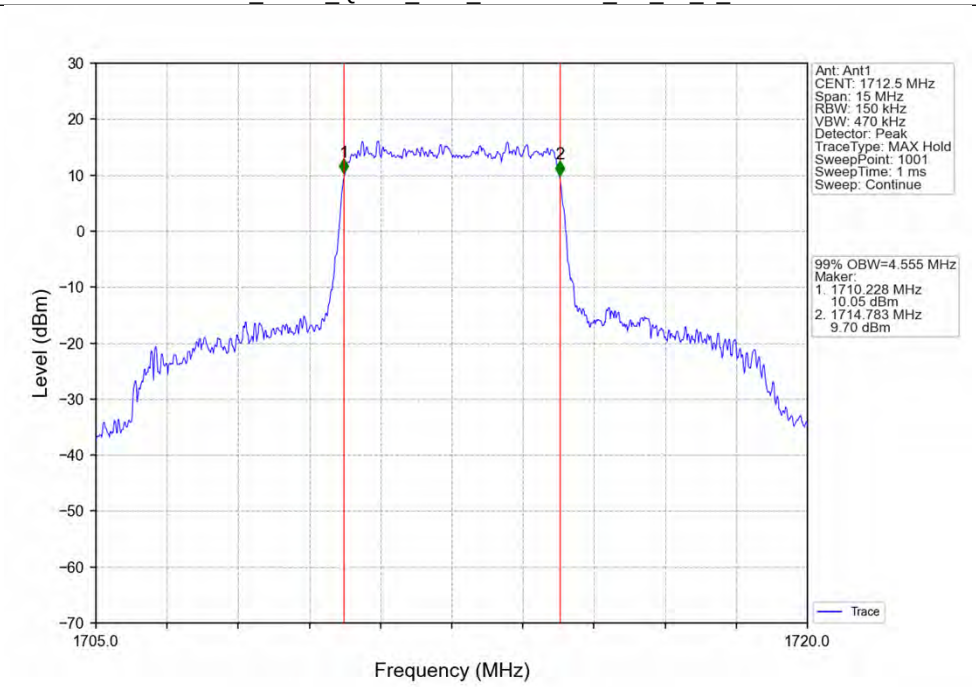
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



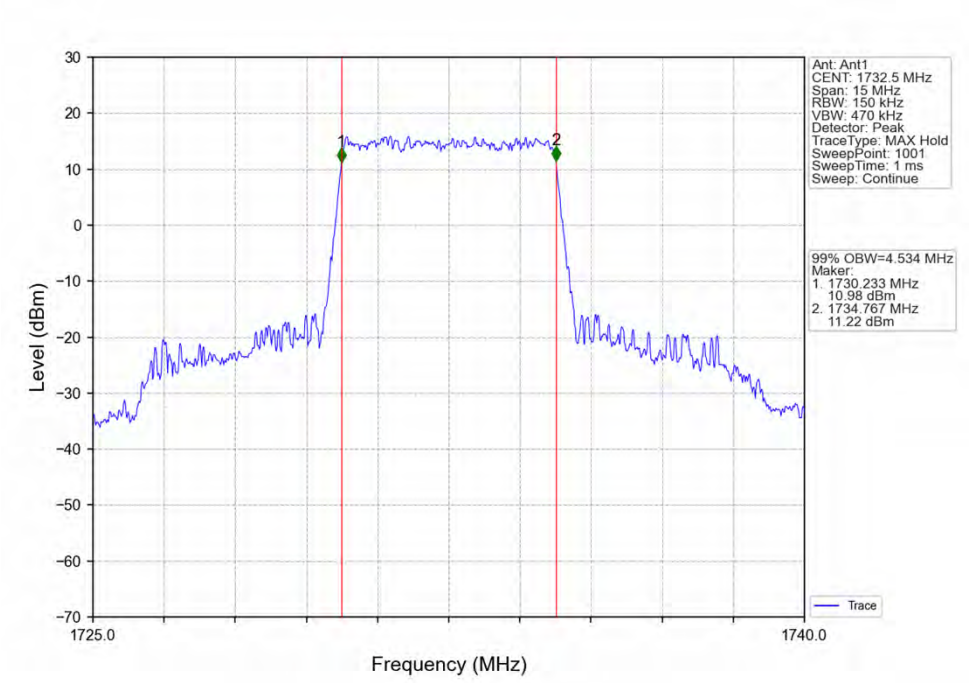
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



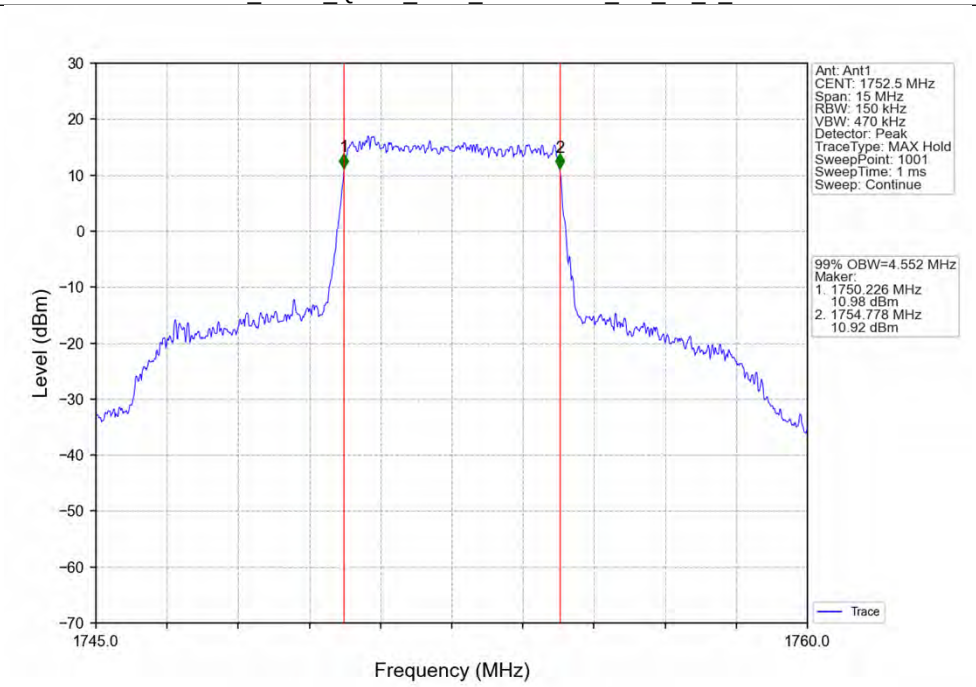
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



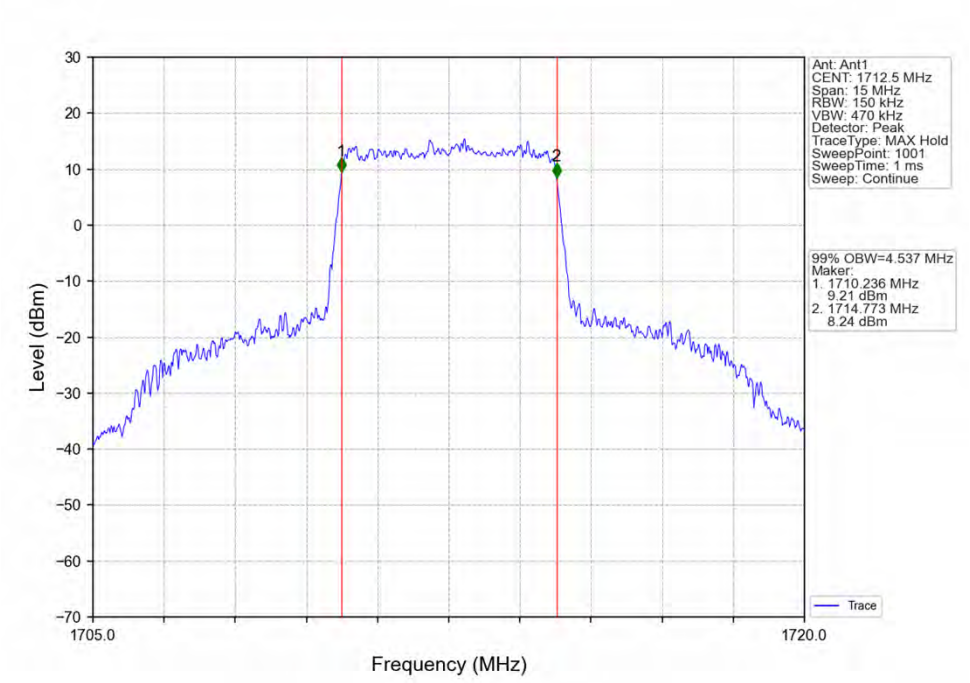
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



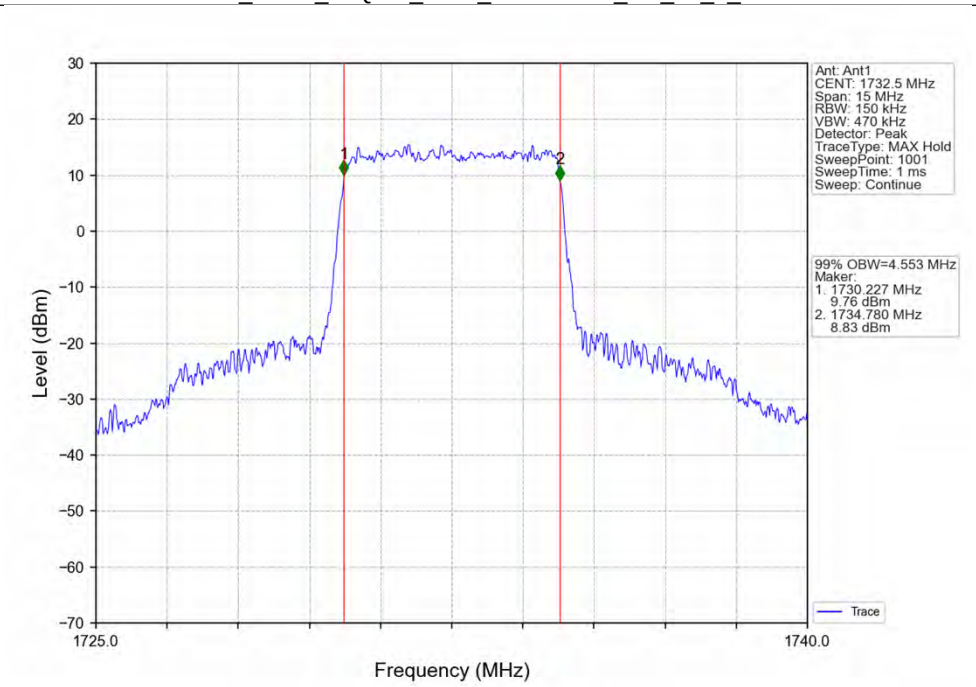
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



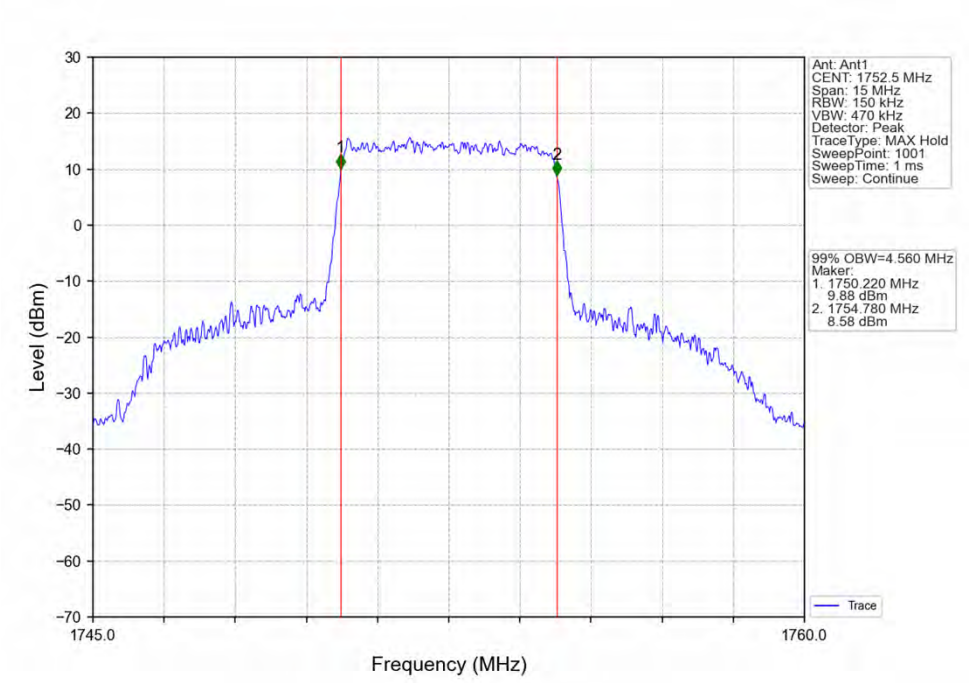
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



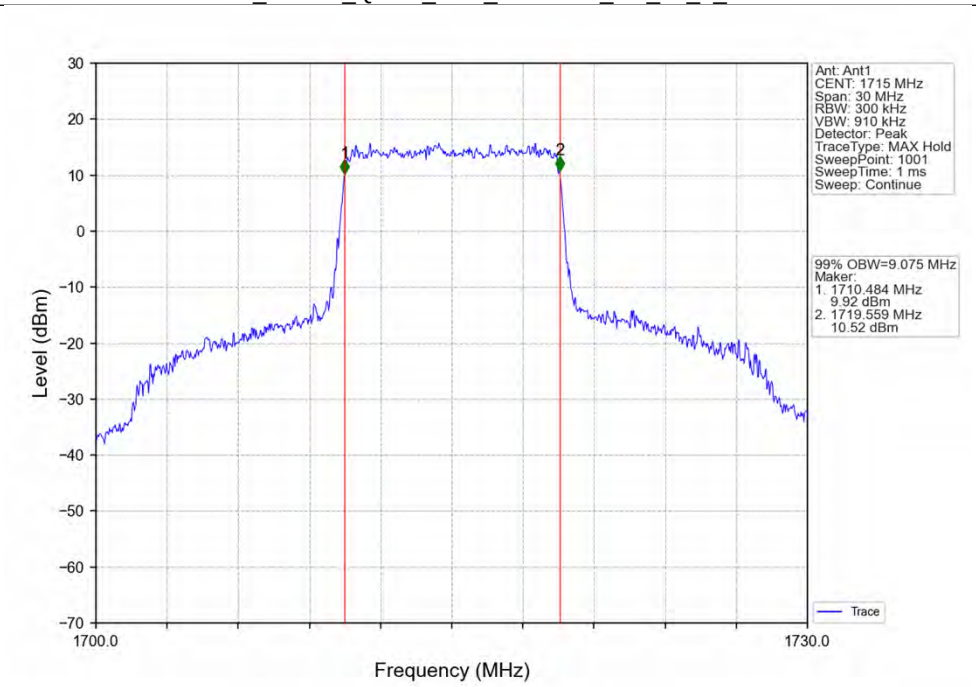
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



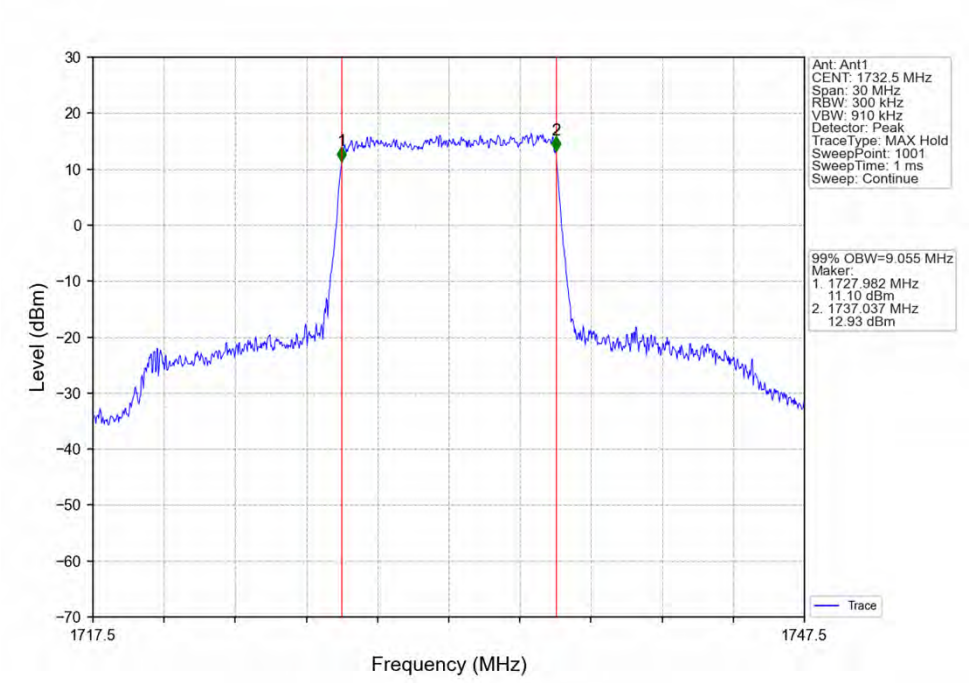
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



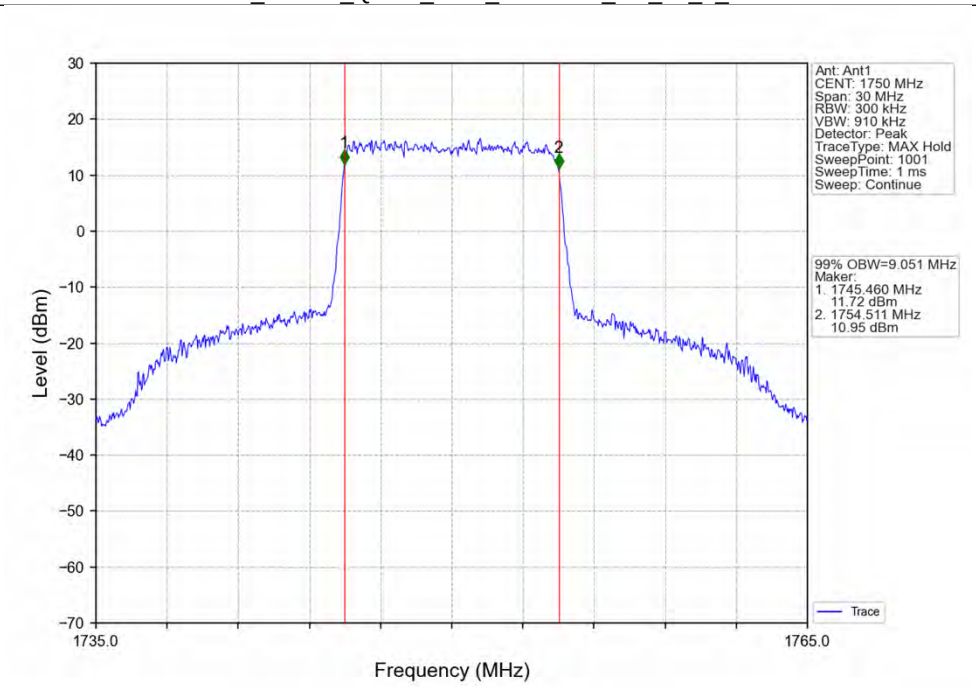
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



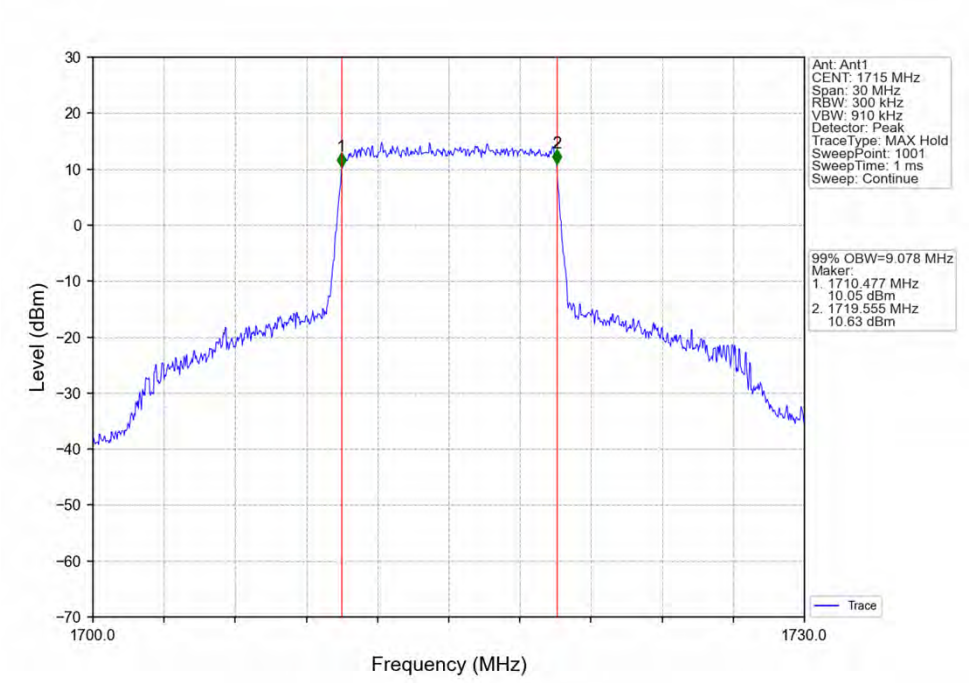
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



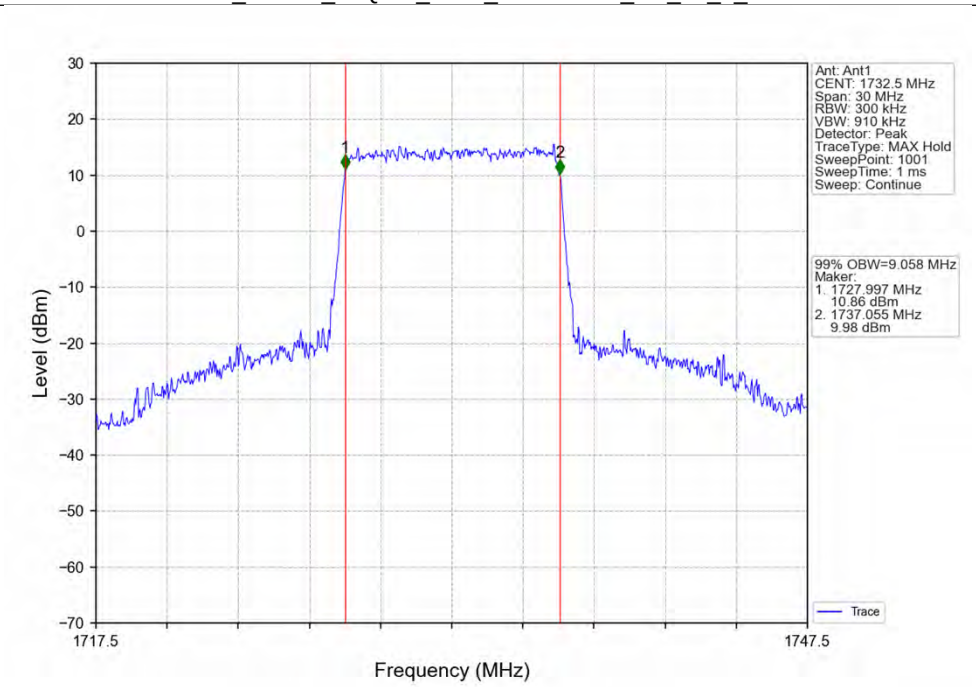
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



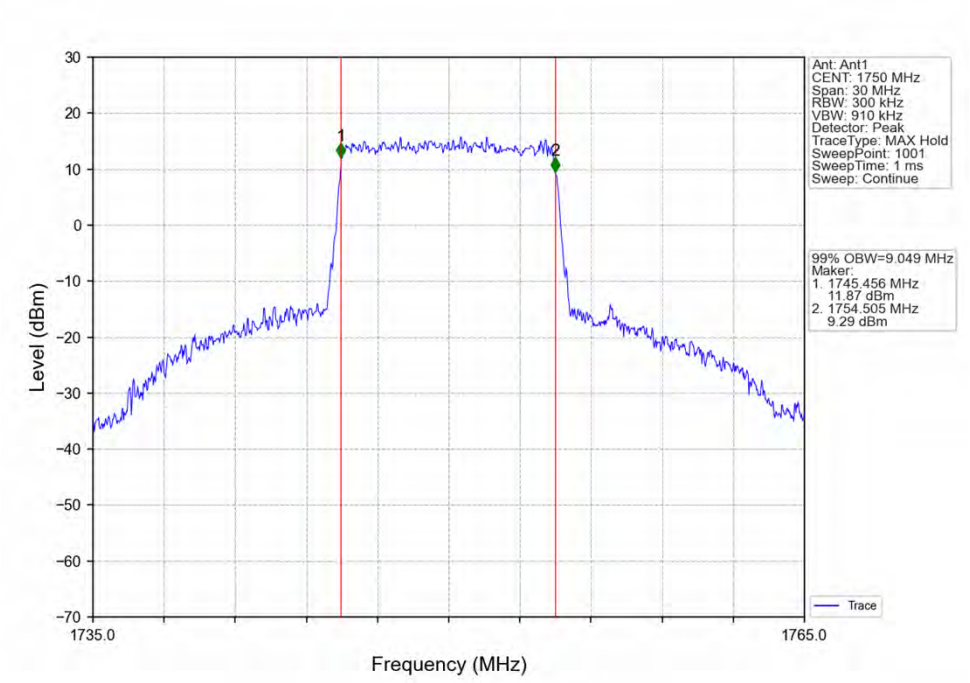
Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



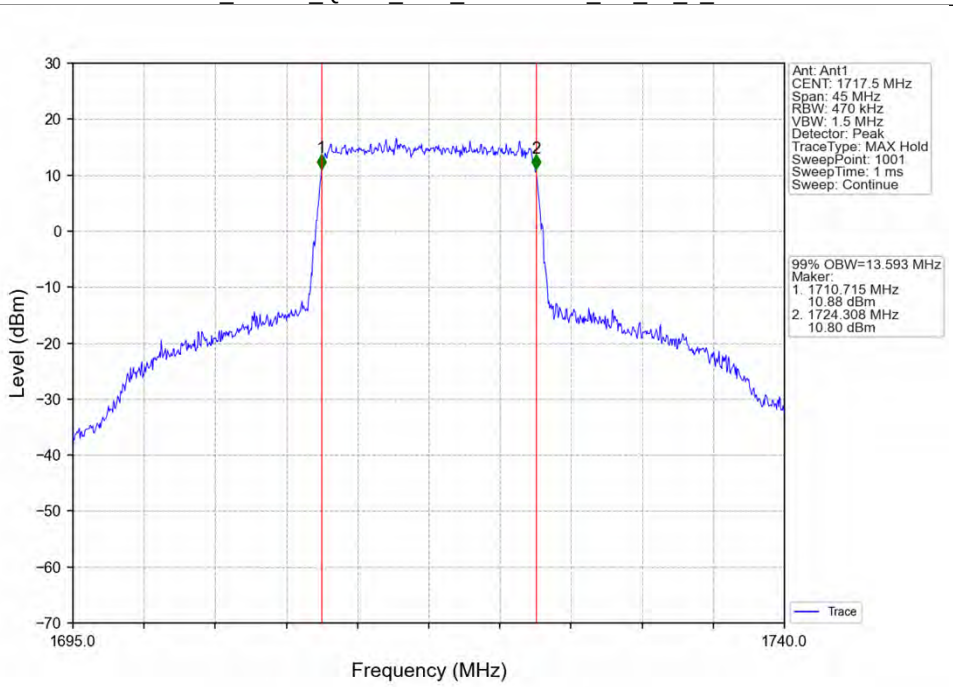
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



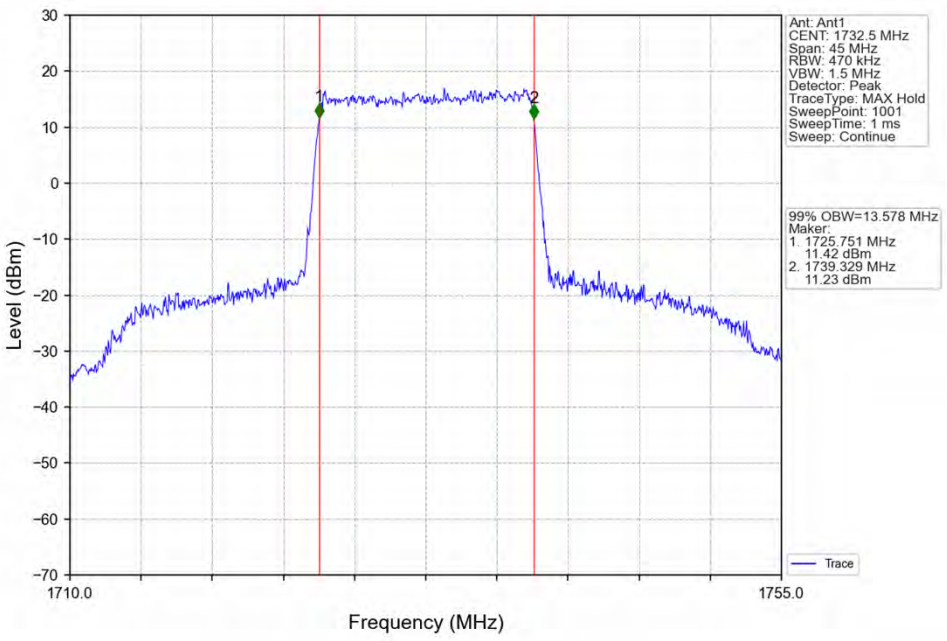
Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



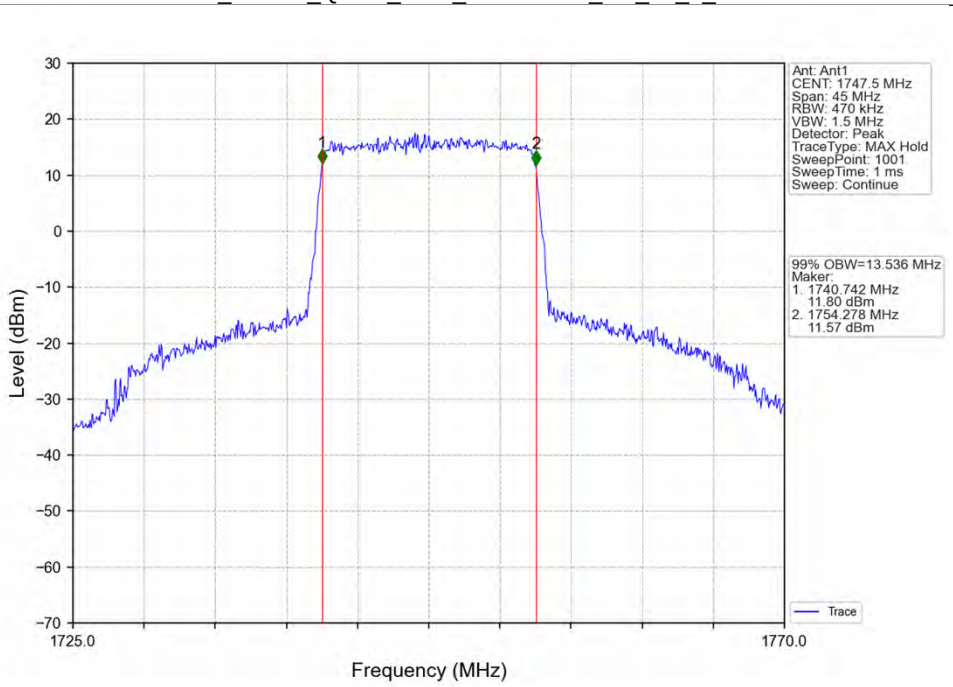
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



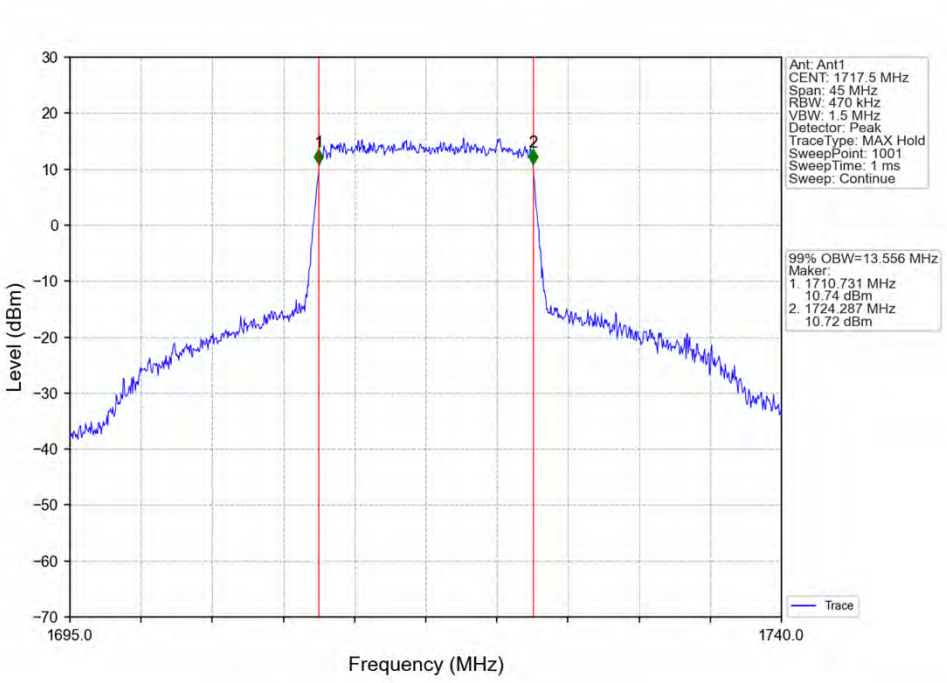
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



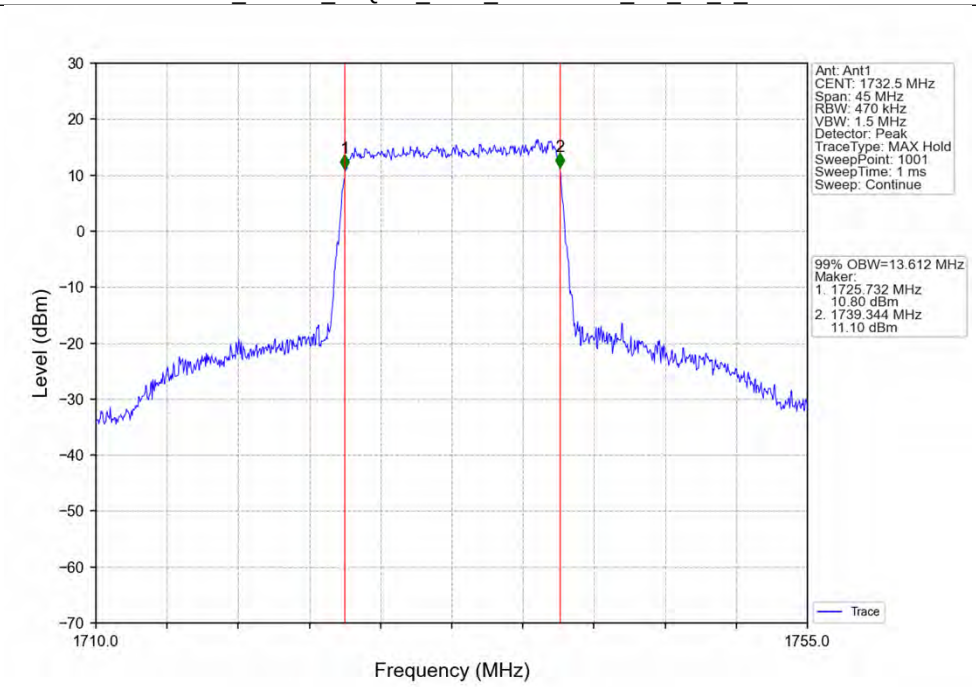
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



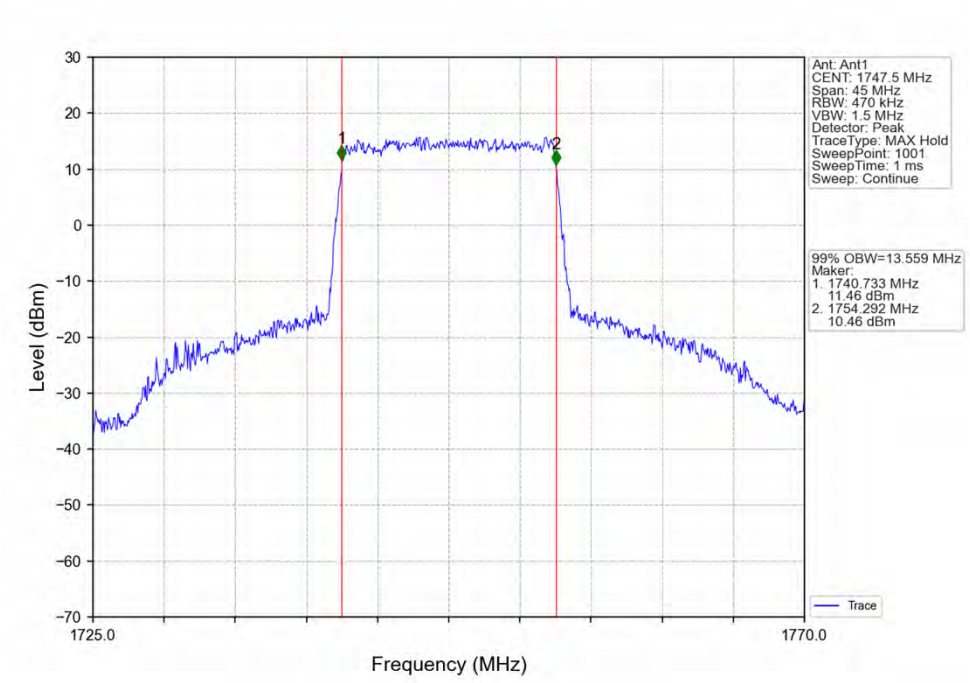
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



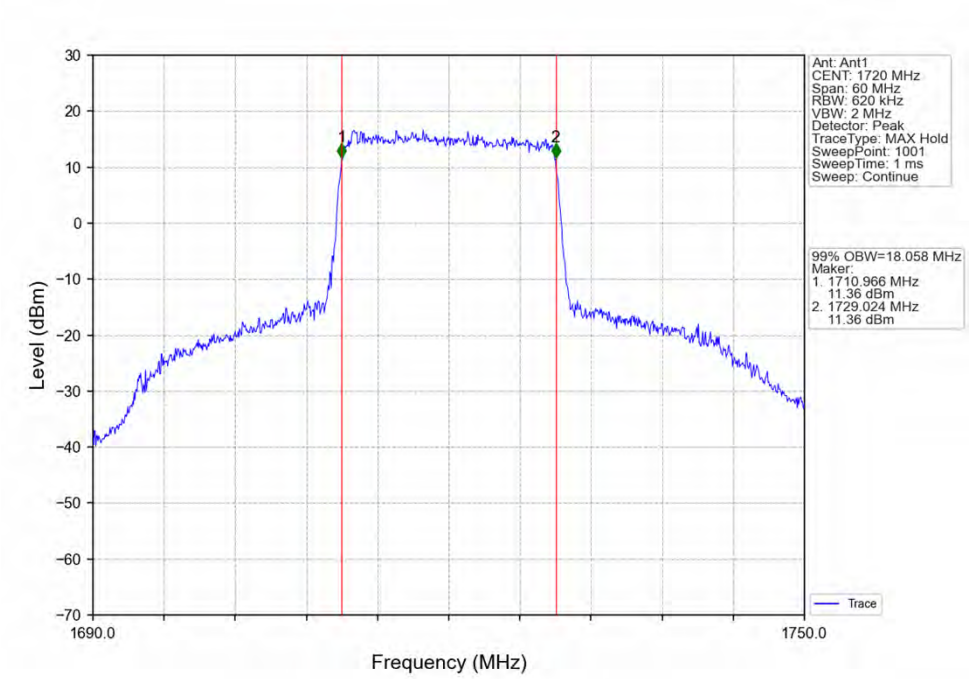
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



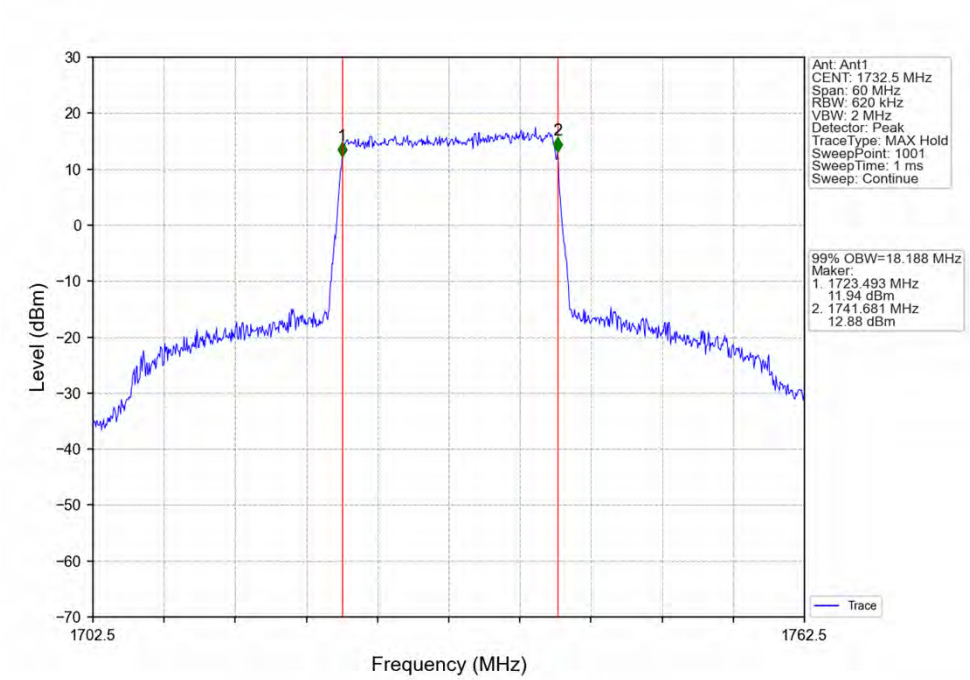
Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV



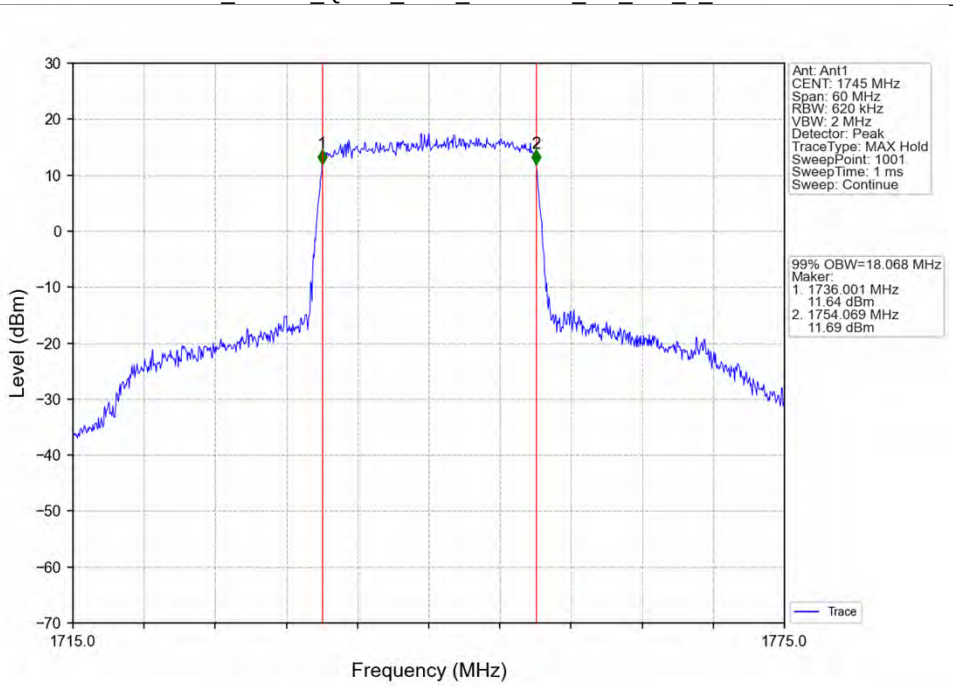
Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



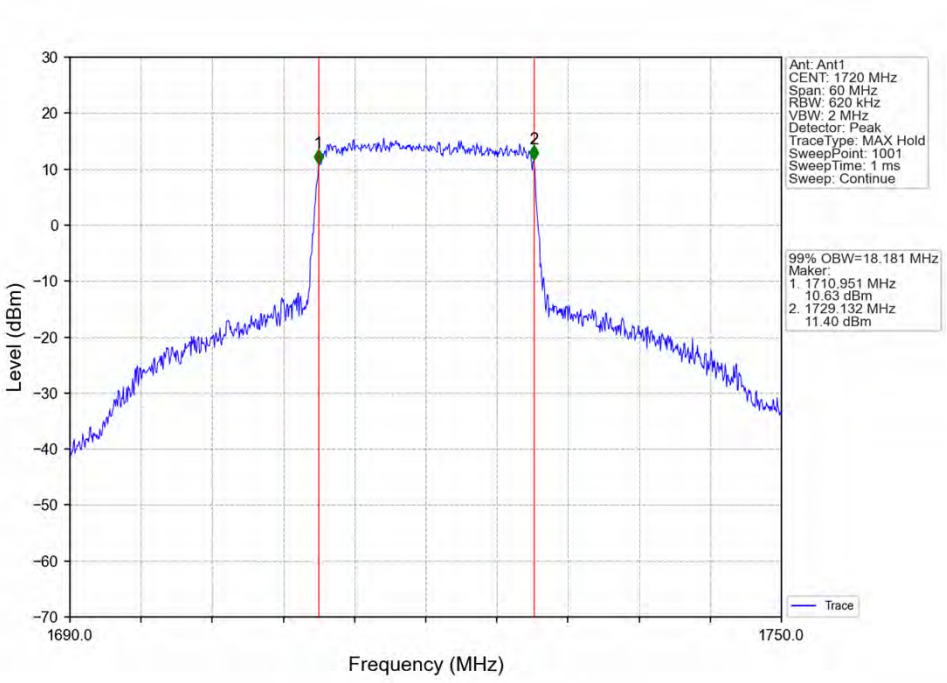
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



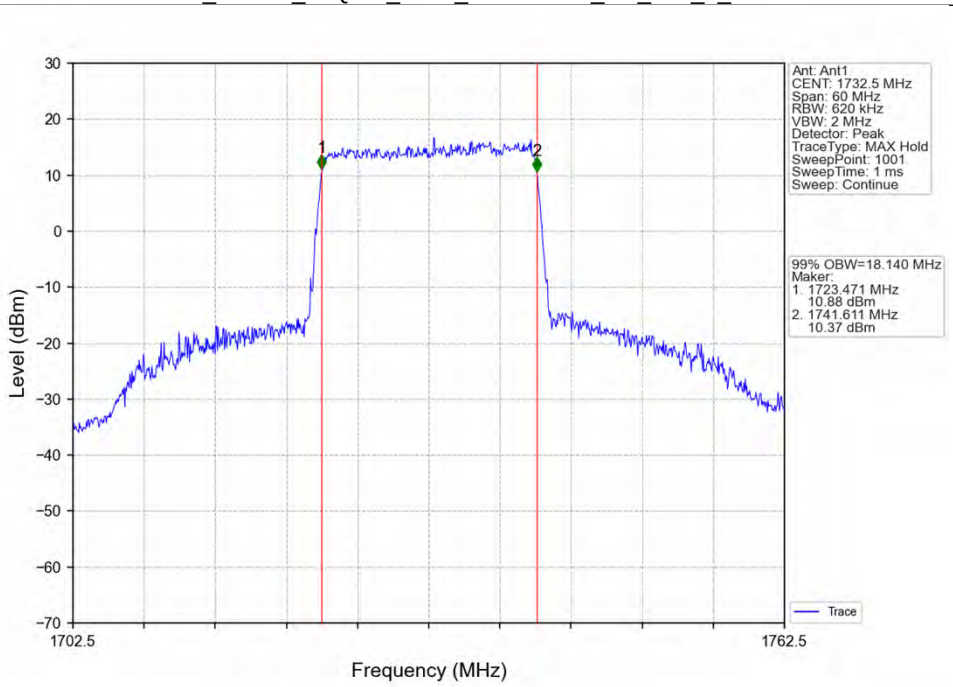
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



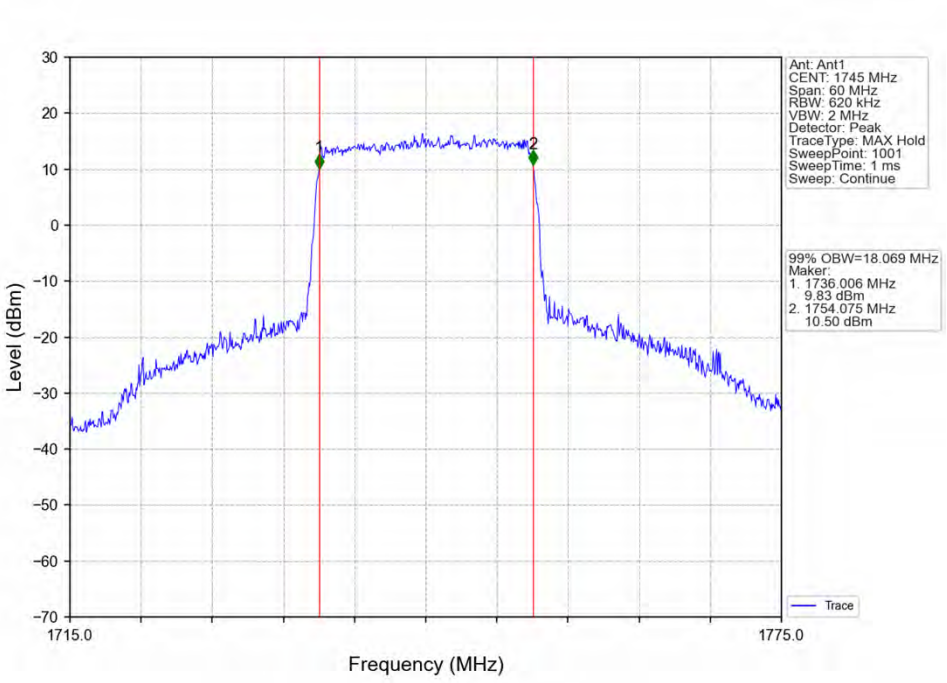
Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV



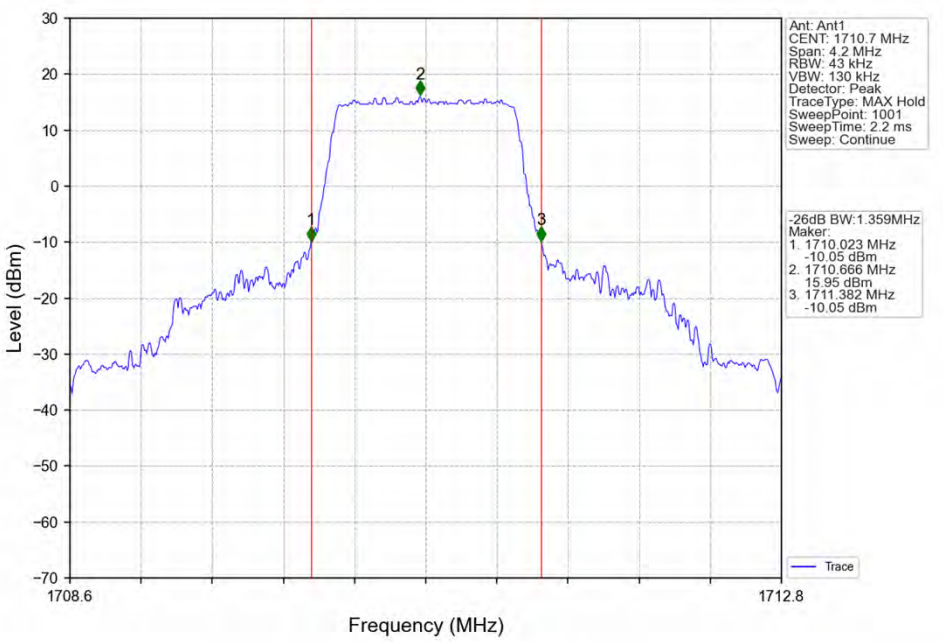
4.2 Band4_XDB

4.2.1 Test Result

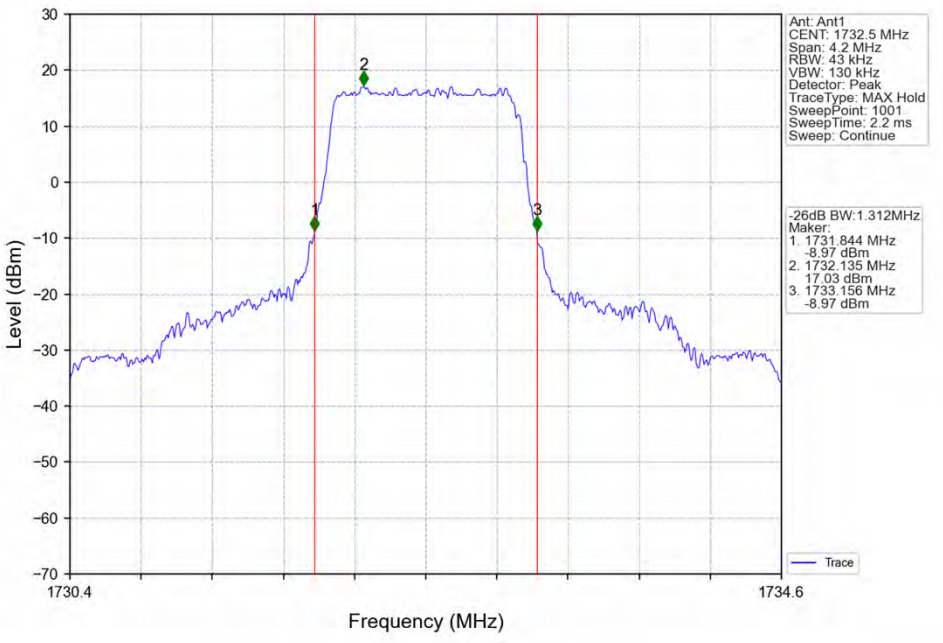
Band: 4 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)	Verdict
			Size	Offset	Result	
1.4	QPSK	1710.7	6	0	1.359	Pass
		1732.5	6	0	1.312	Pass
		1754.3	6	0	1.348	Pass
	16QAM	1710.7	6	0	1.317	Pass
		1732.5	6	0	1.329	Pass
		1754.3	6	0	1.312	Pass
3	QPSK	1711.5	15	0	3.031	Pass
		1732.5	15	0	3.013	Pass
		1753.5	15	0	3.022	Pass
	16QAM	1711.5	15	0	3.005	Pass
		1732.5	15	0	2.999	Pass
		1753.5	15	0	3.031	Pass
5	QPSK	1712.5	25	0	5.087	Pass
		1732.5	25	0	5.074	Pass
		1752.5	25	0	5.121	Pass
	16QAM	1712.5	25	0	5.042	Pass
		1732.5	25	0	5.069	Pass
		1752.5	25	0	5.095	Pass
10	QPSK	1715	50	0	10.134	Pass
		1732.5	50	0	9.980	Pass
		1750	50	0	9.958	Pass
	16QAM	1715	50	0	9.958	Pass
		1732.5	50	0	9.939	Pass
		1750	50	0	10.034	Pass
15	QPSK	1717.5	75	0	14.957	Pass
		1732.5	75	0	14.988	Pass
		1747.5	75	0	14.916	Pass
	16QAM	1717.5	75	0	14.863	Pass
		1732.5	75	0	14.913	Pass
		1747.5	75	0	14.951	Pass
20	QPSK	1720	100	0	19.912	Pass
		1732.5	100	0	19.883	Pass
		1745	100	0	19.662	Pass
	16QAM	1720	100	0	19.771	Pass
		1732.5	100	0	20.004	Pass
		1745	100	0	19.637	Pass

4.2.2 Test Graph

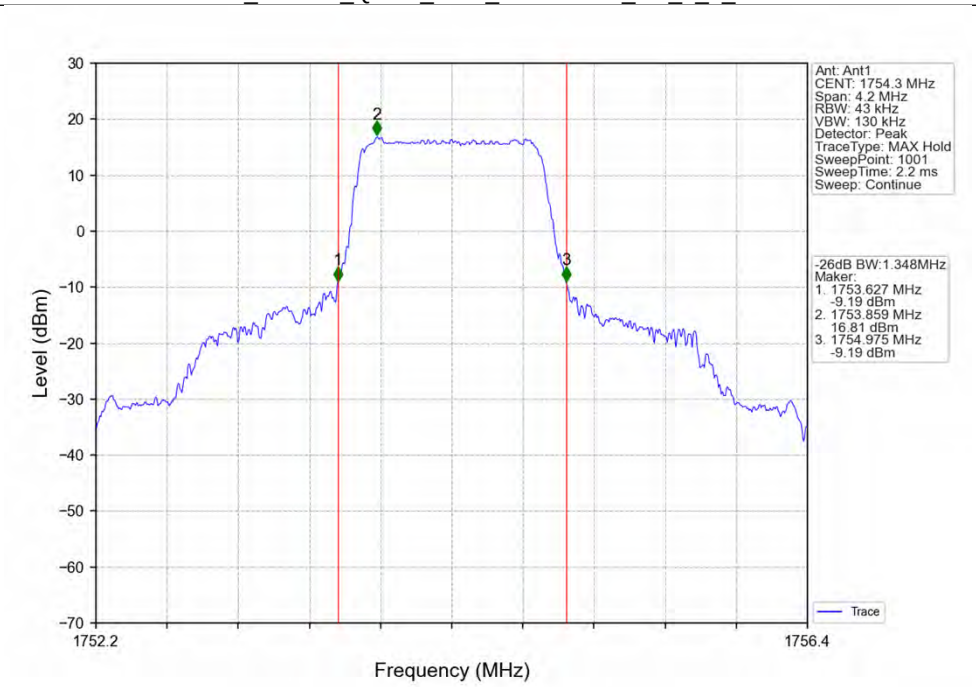
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



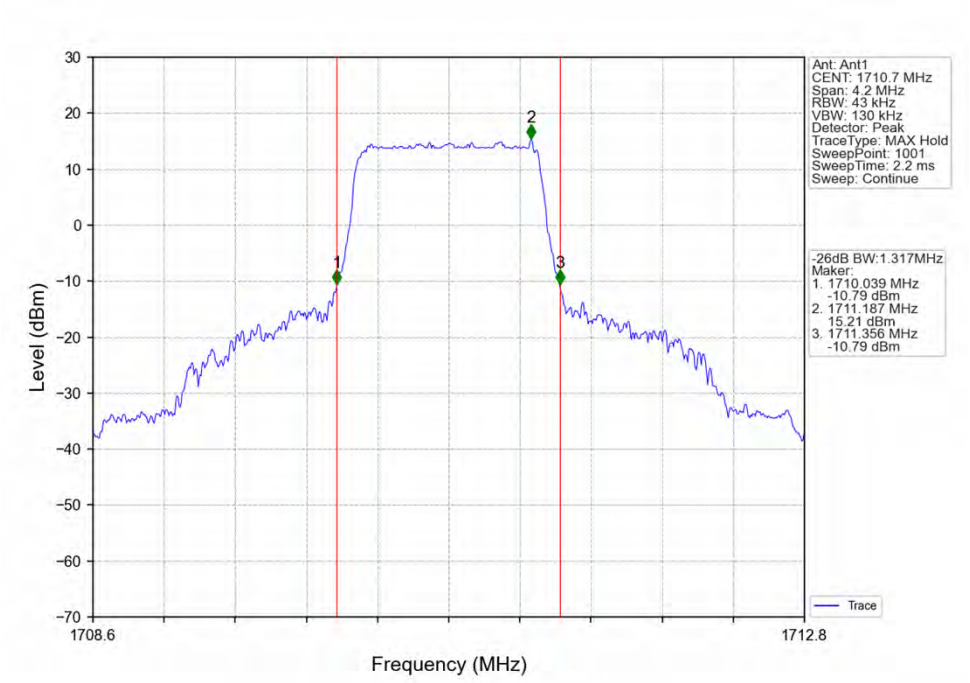
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV



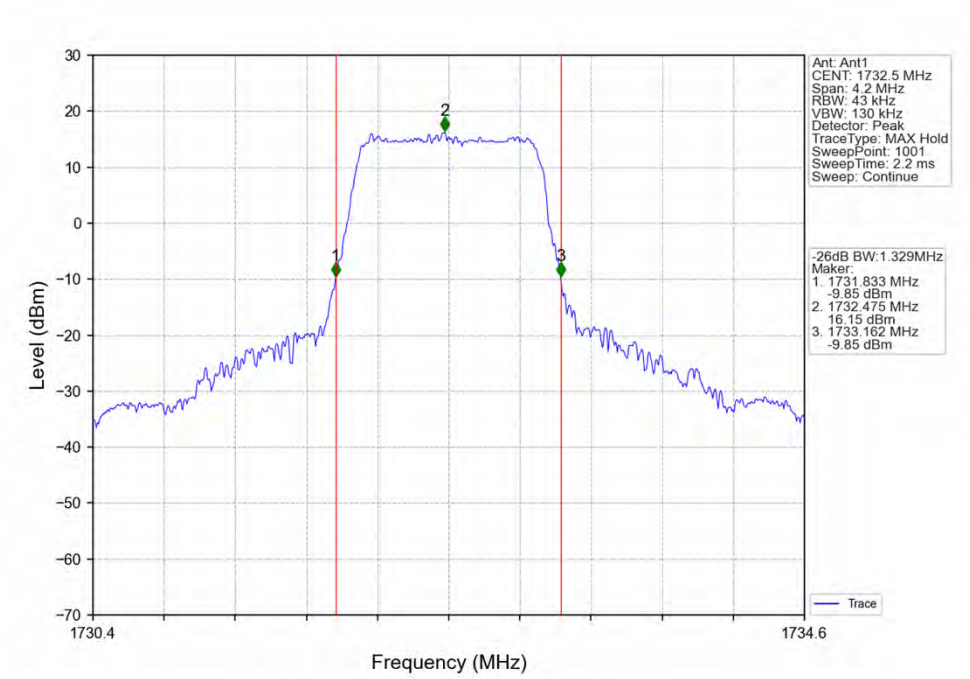
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



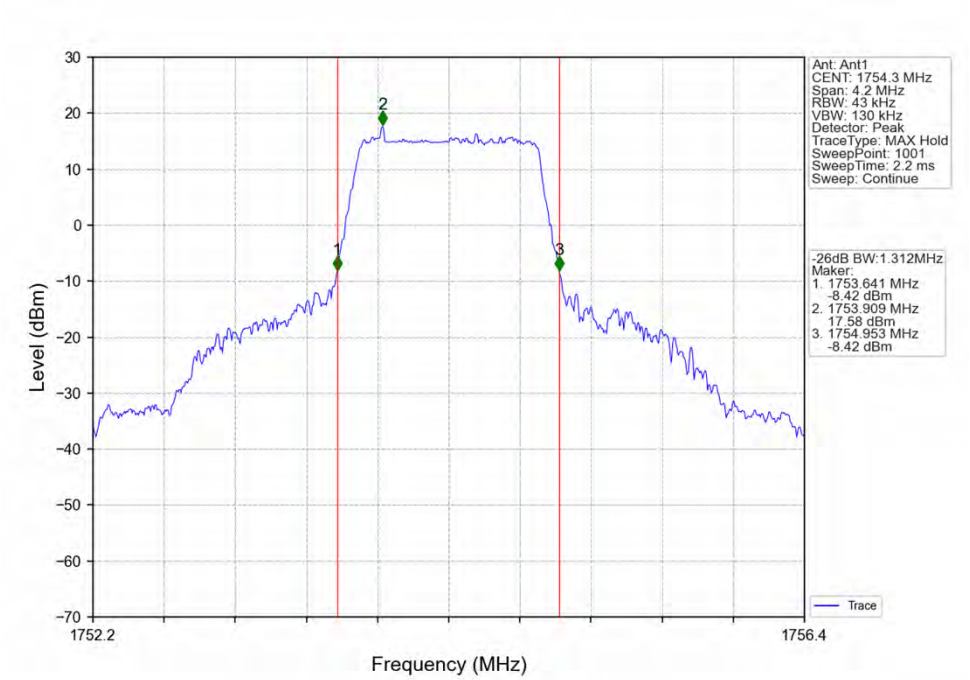
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



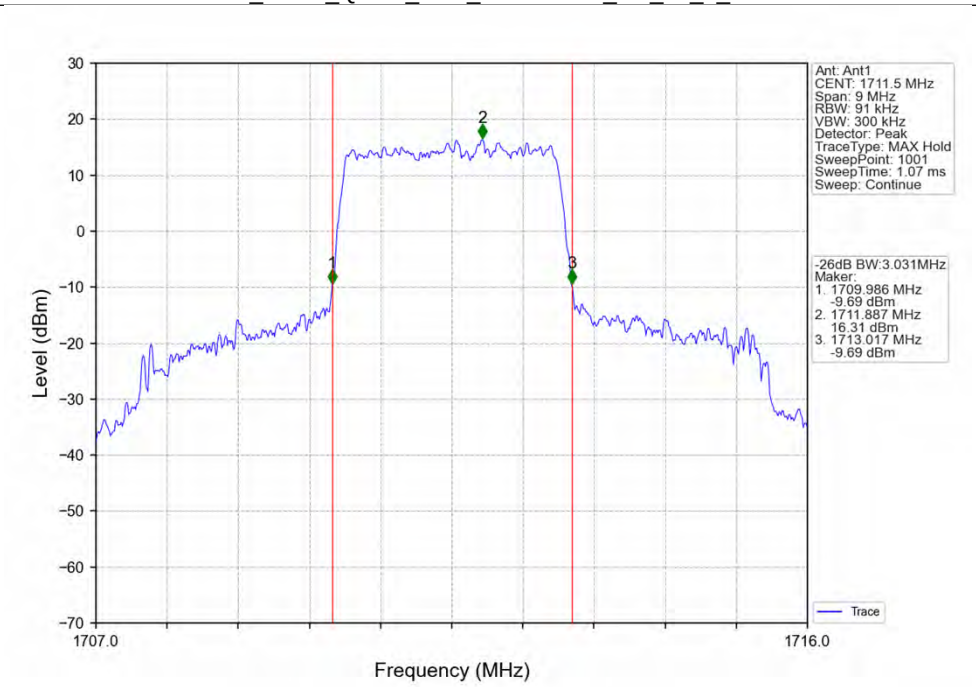
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



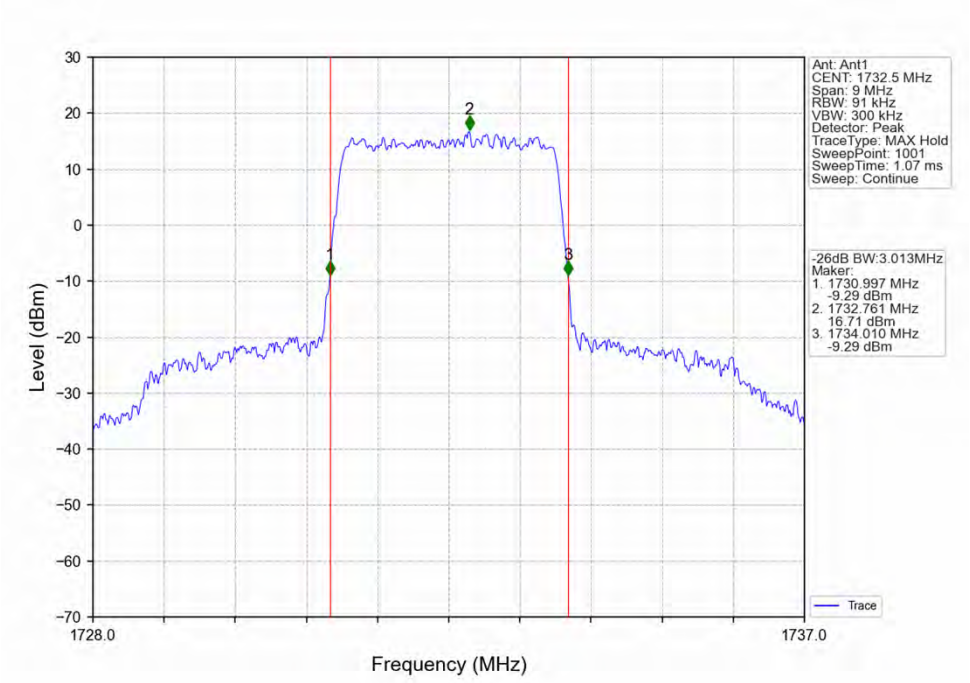
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



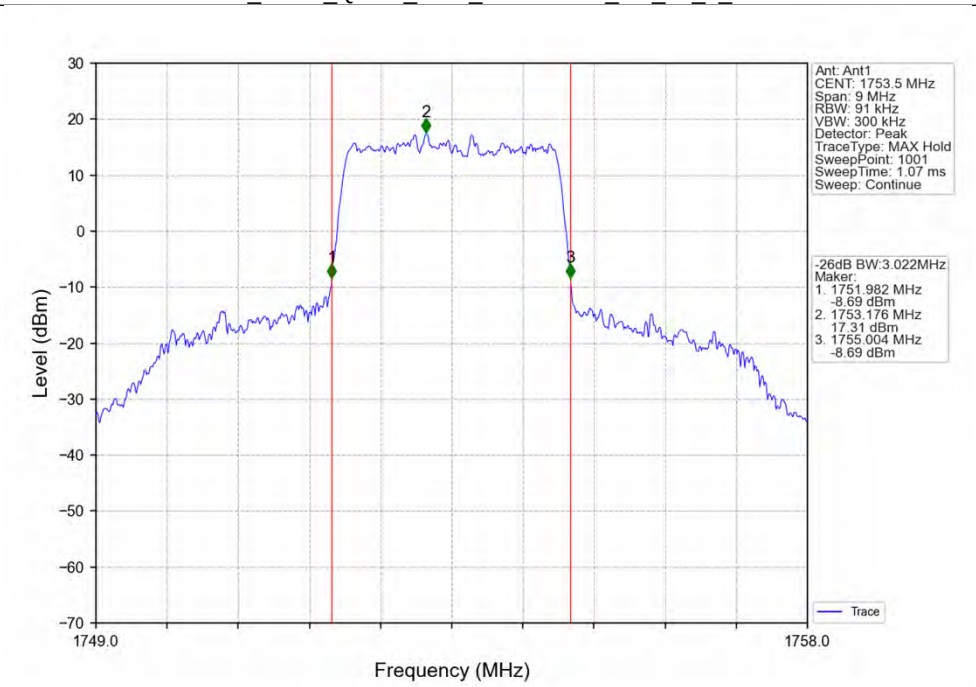
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



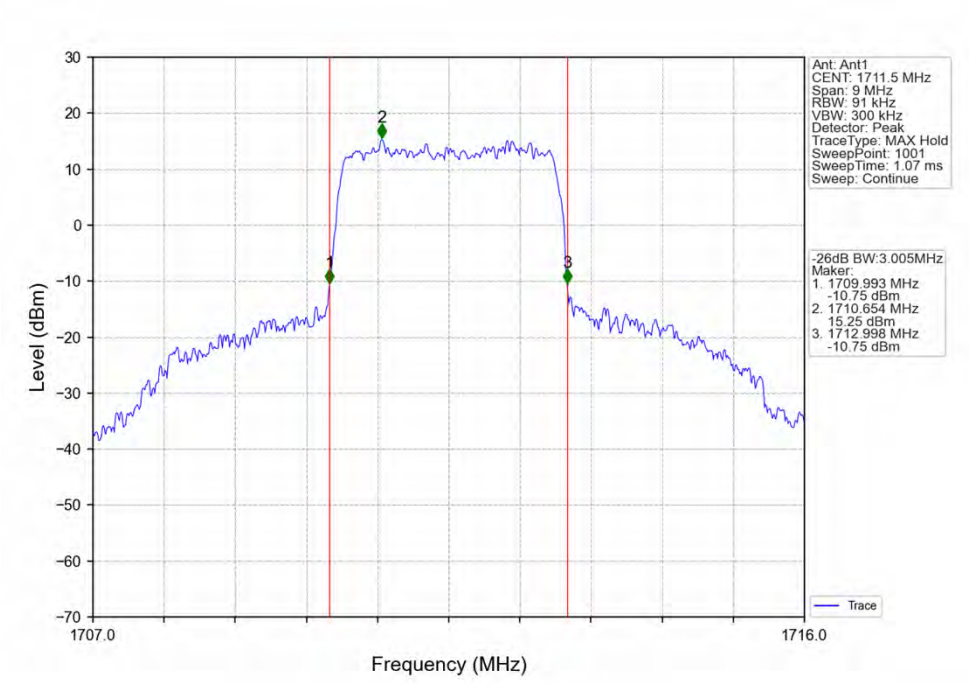
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



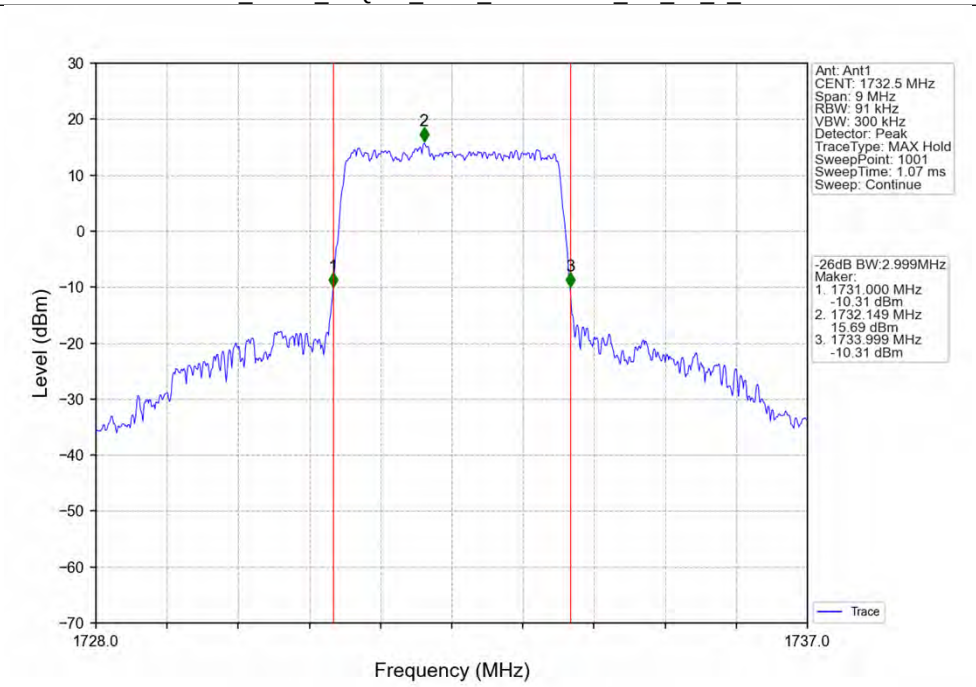
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



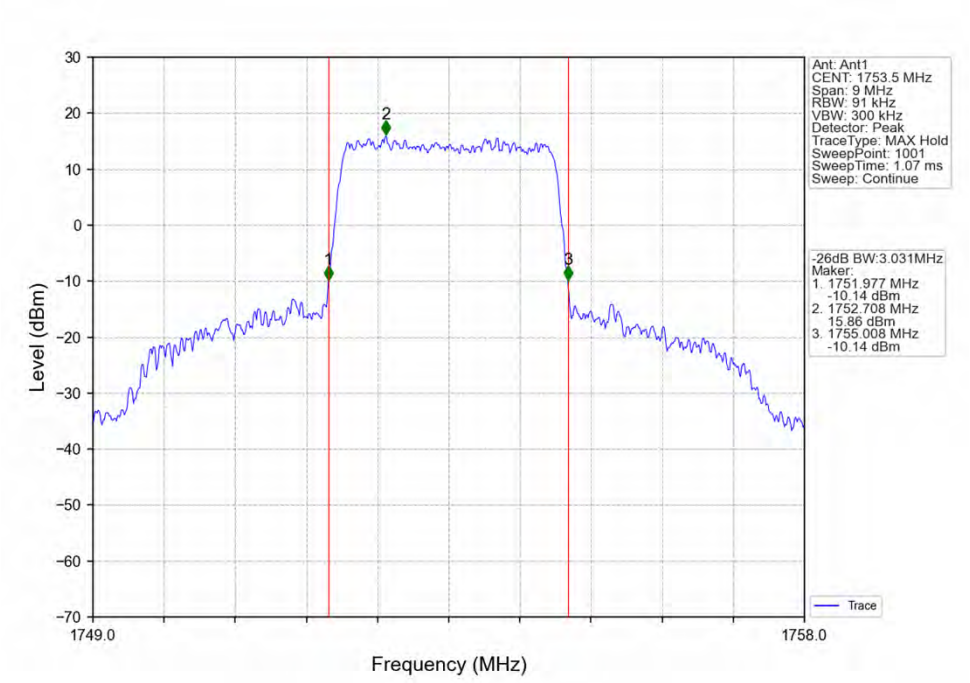
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



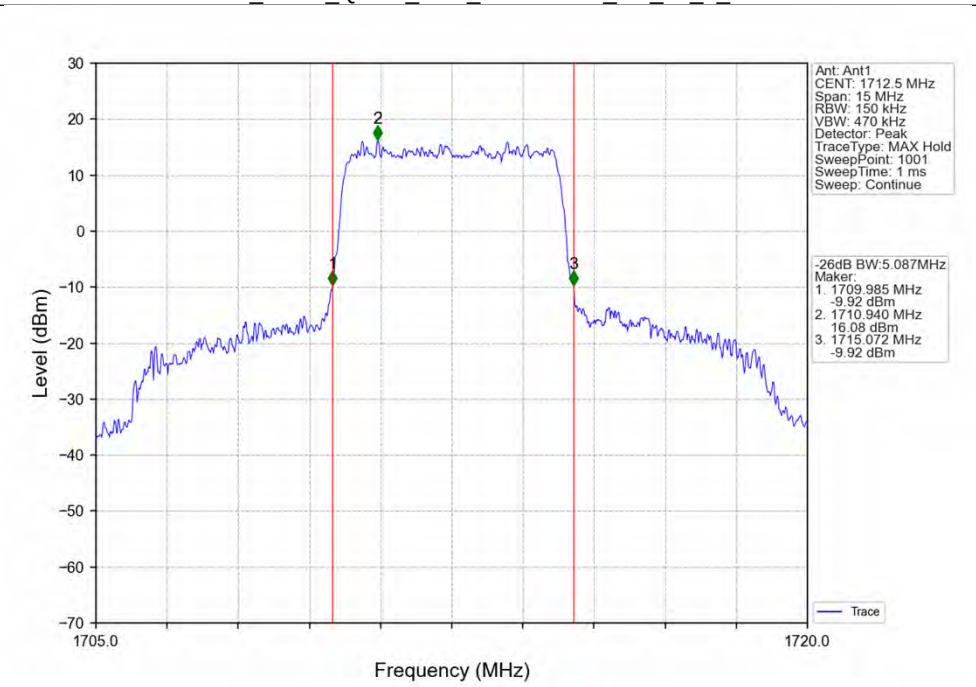
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



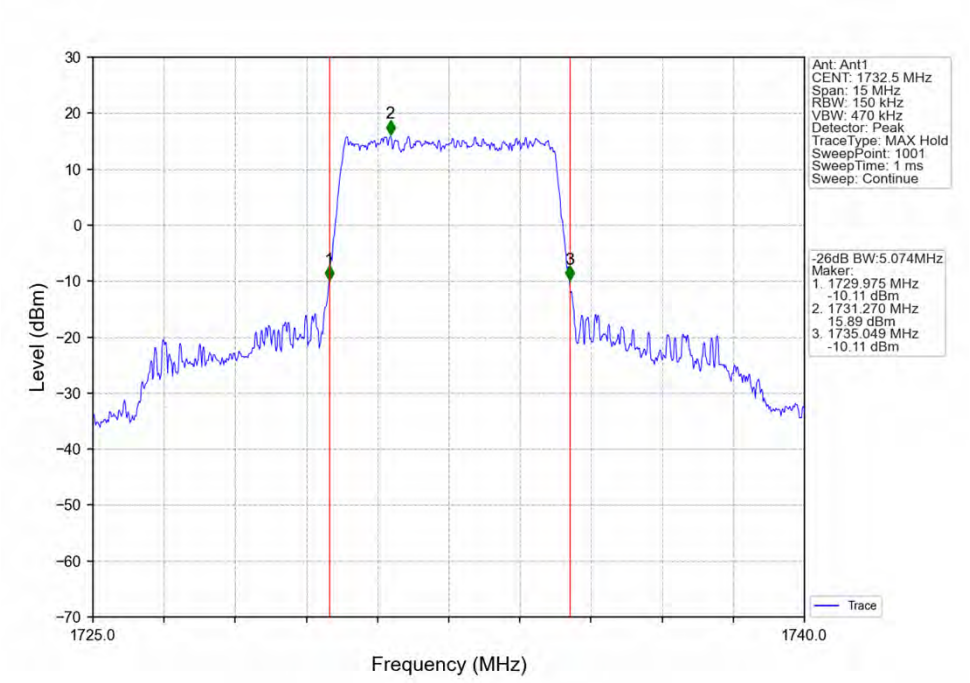
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



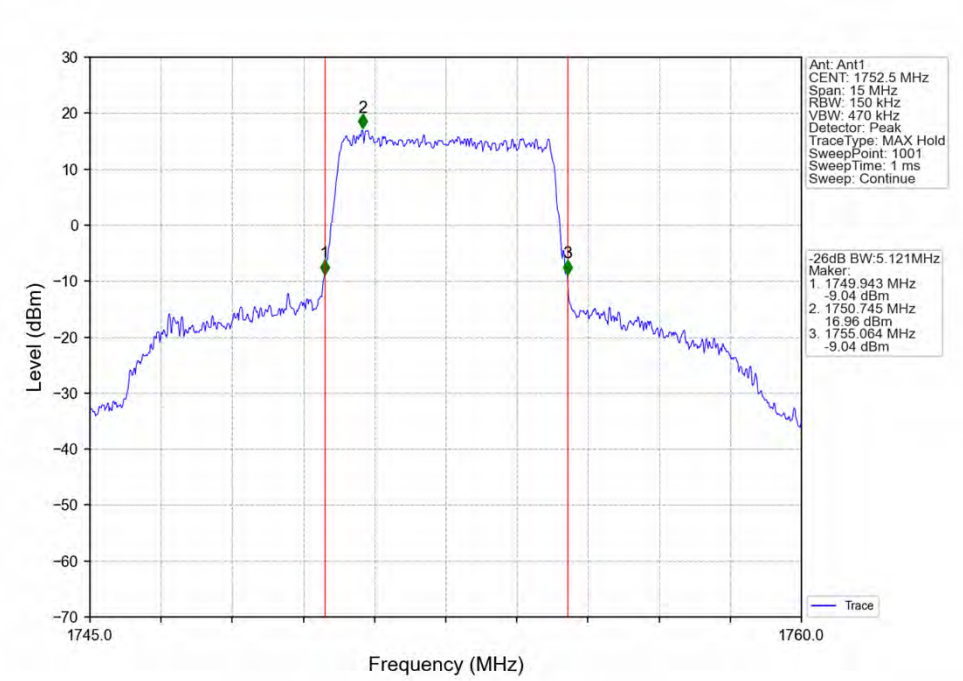
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



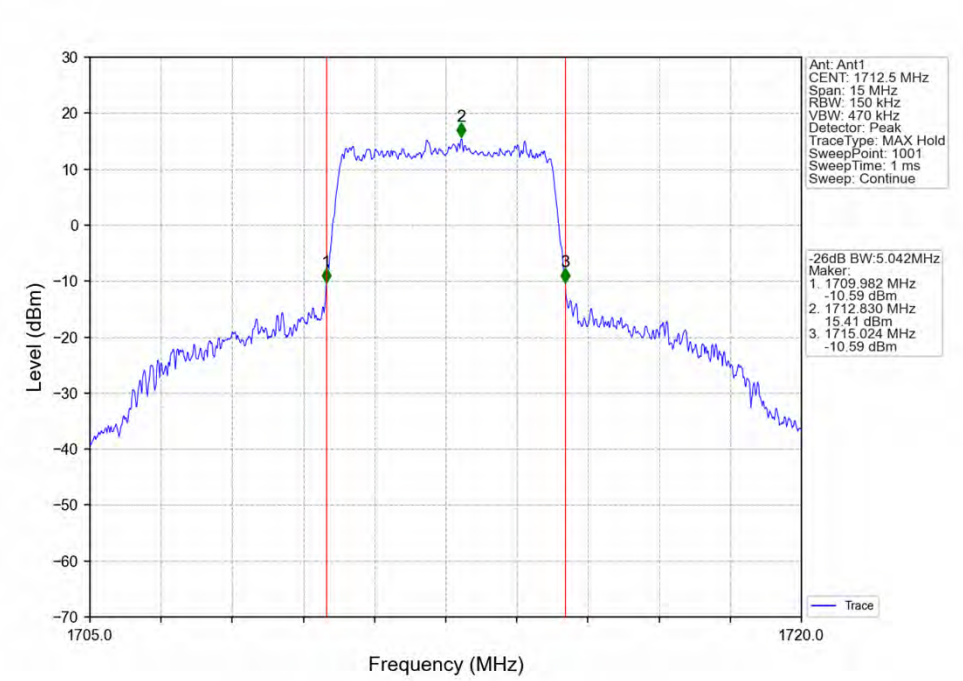
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



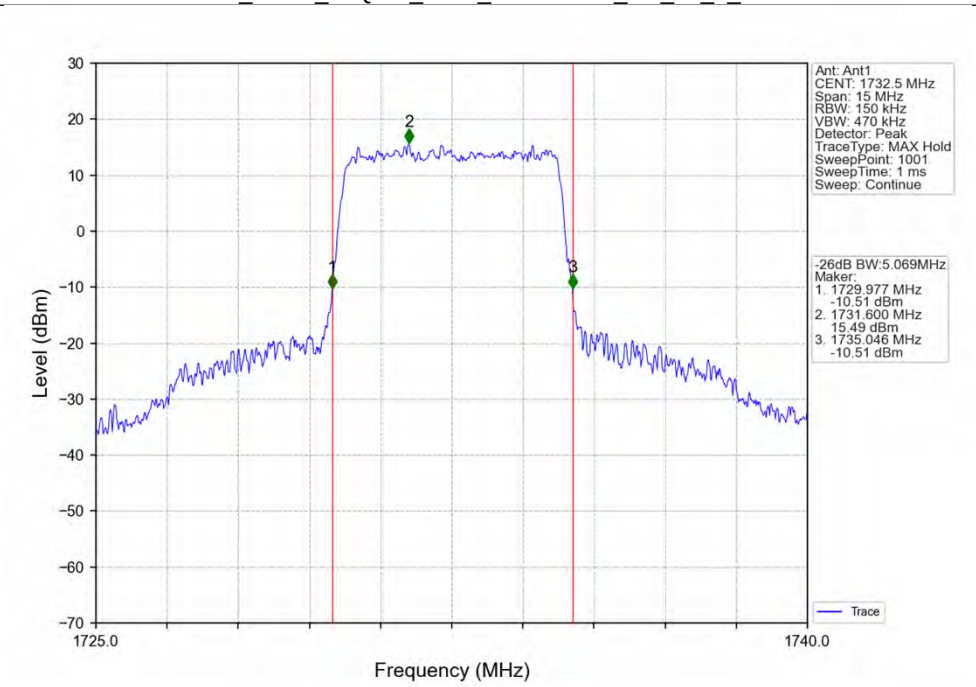
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



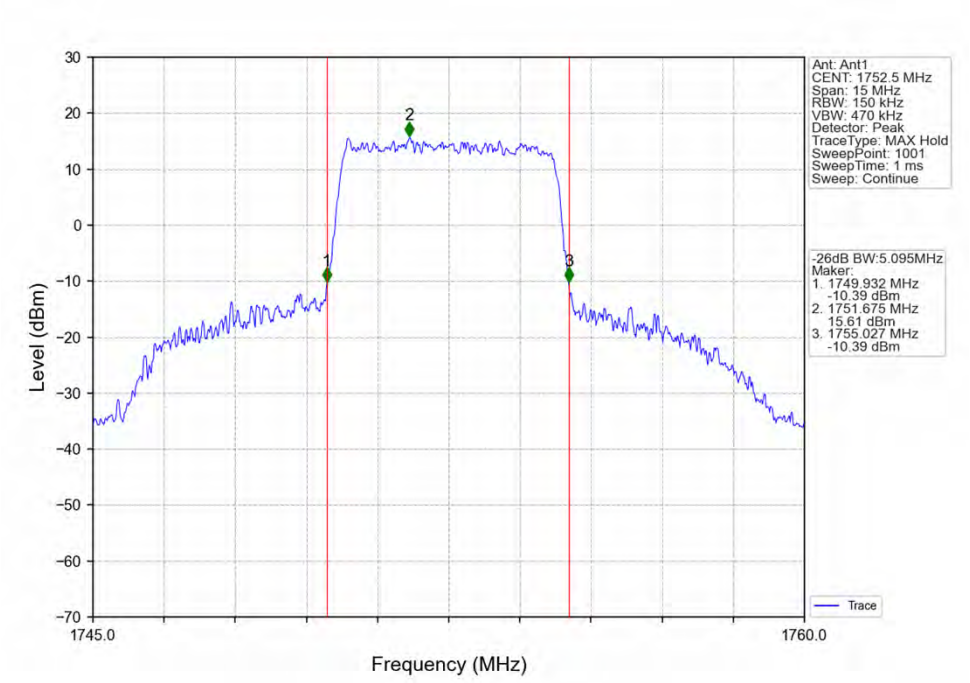
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



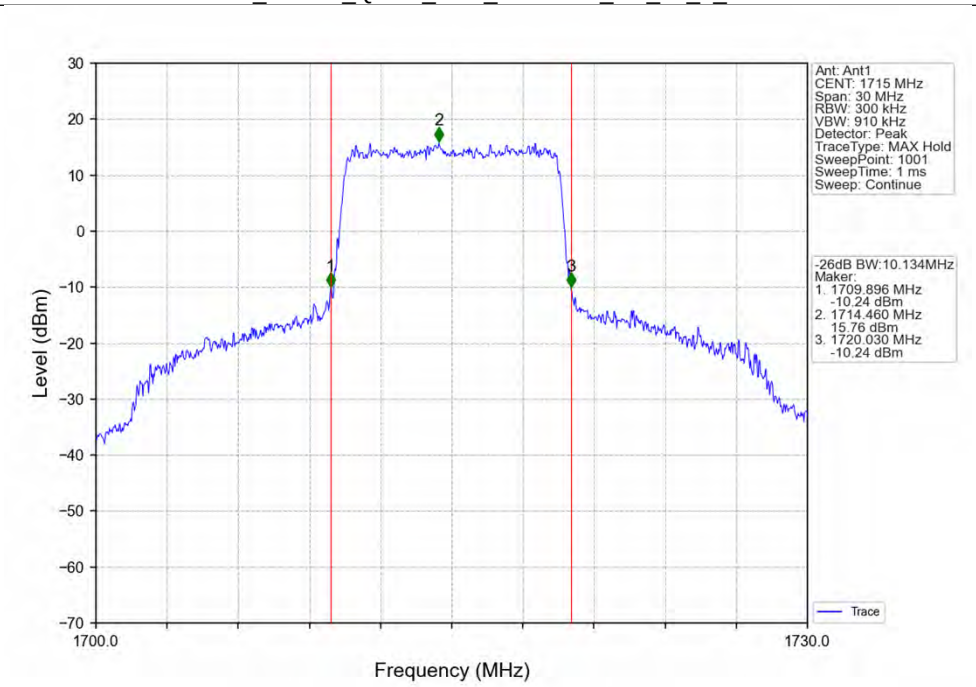
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



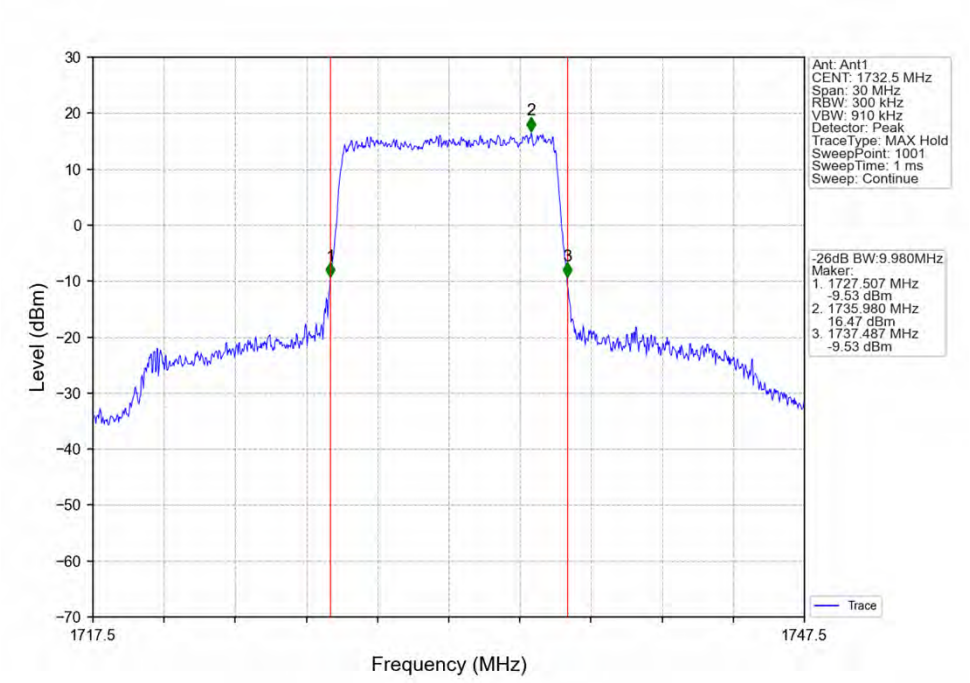
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



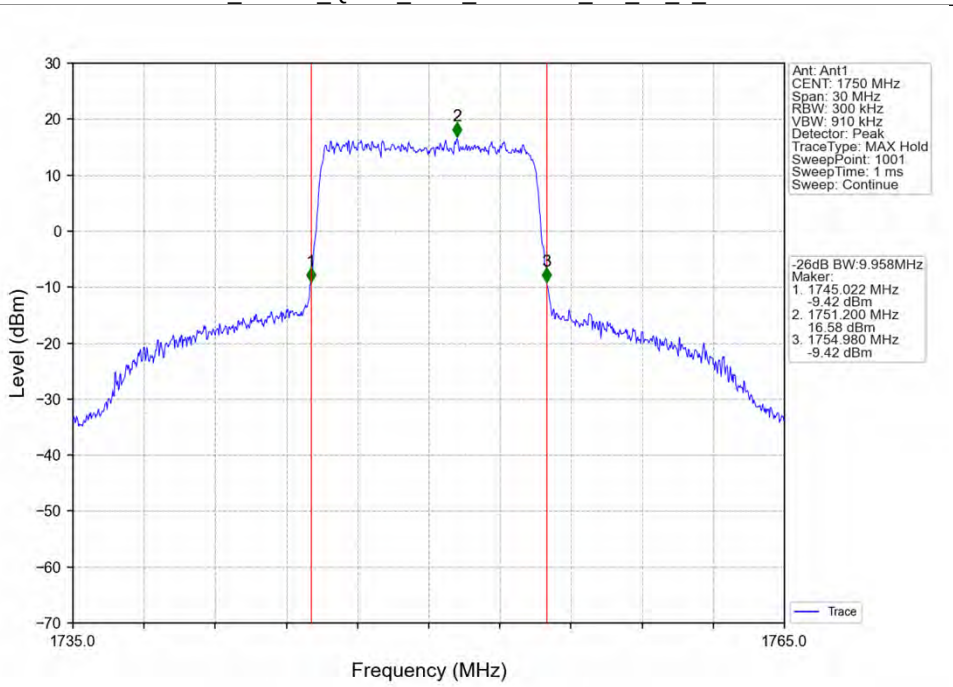
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



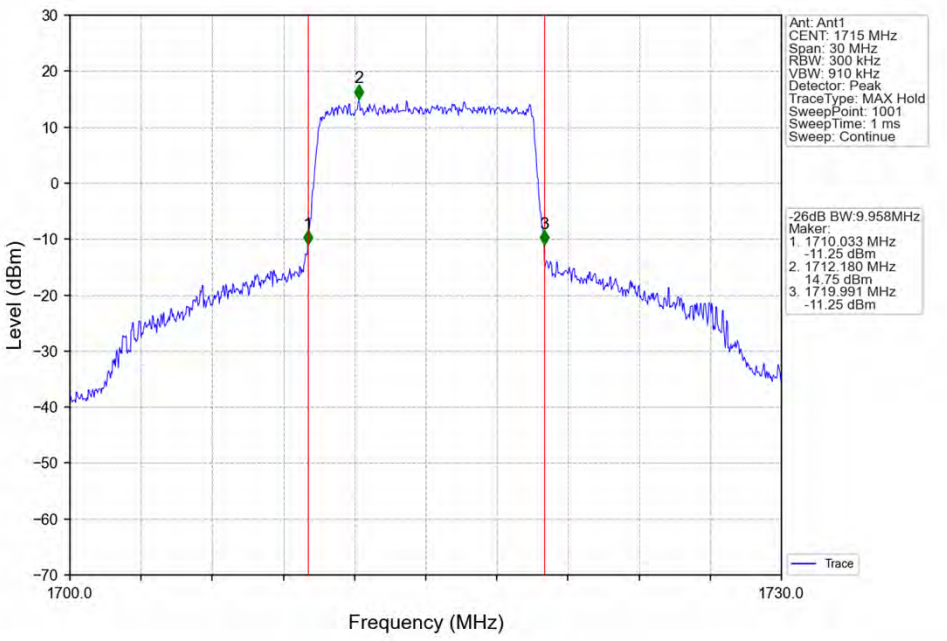
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



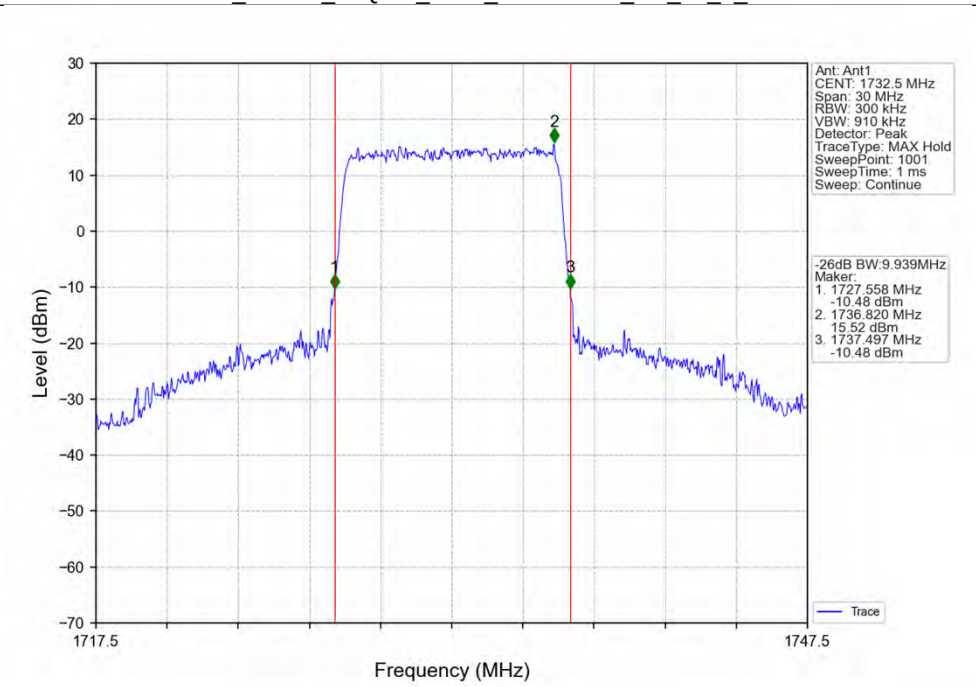
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



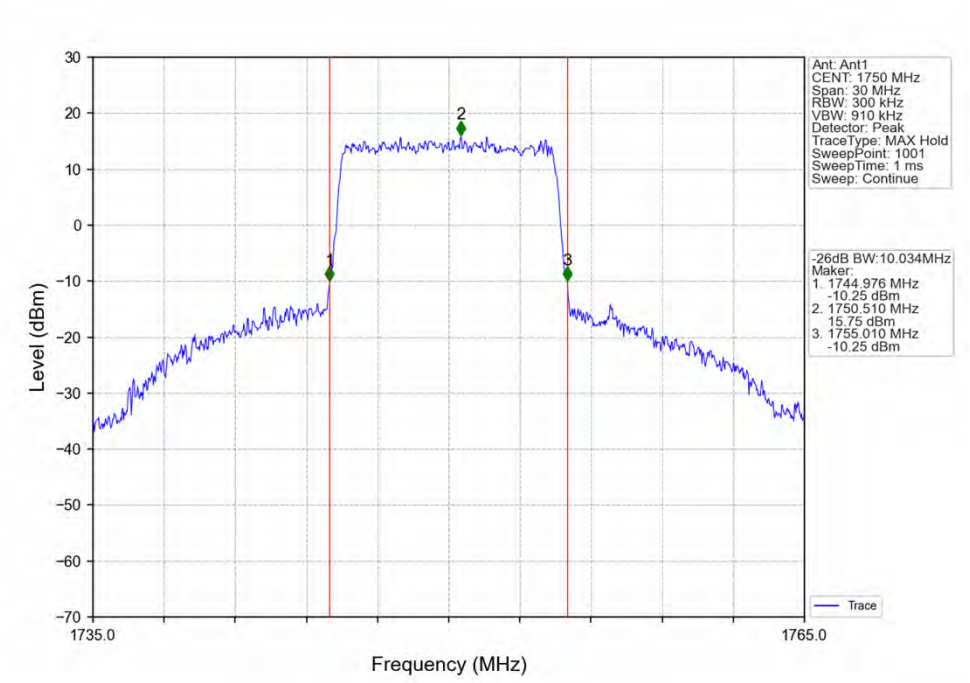
Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



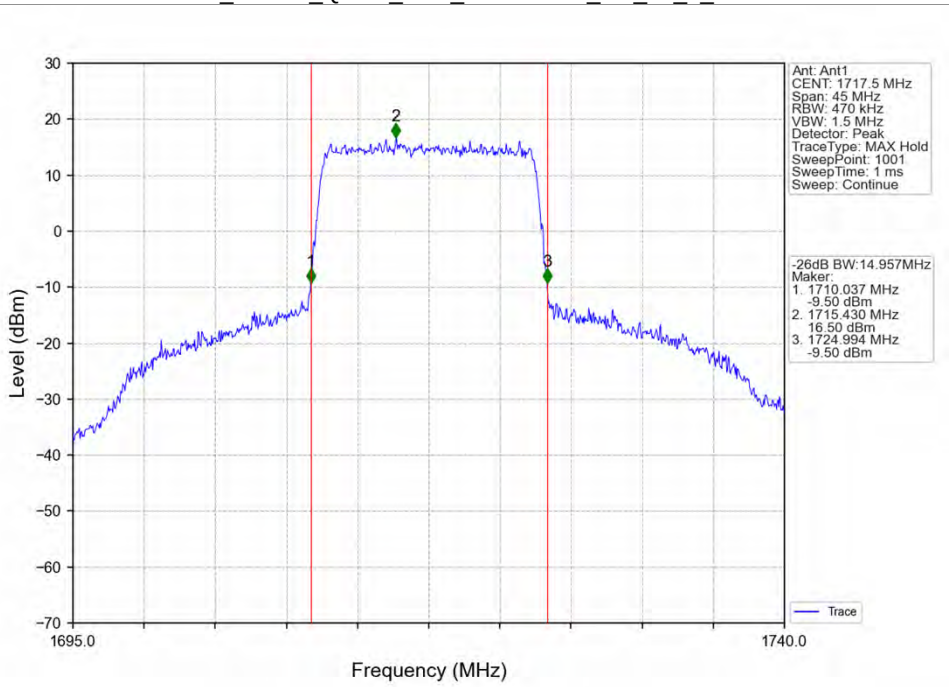
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



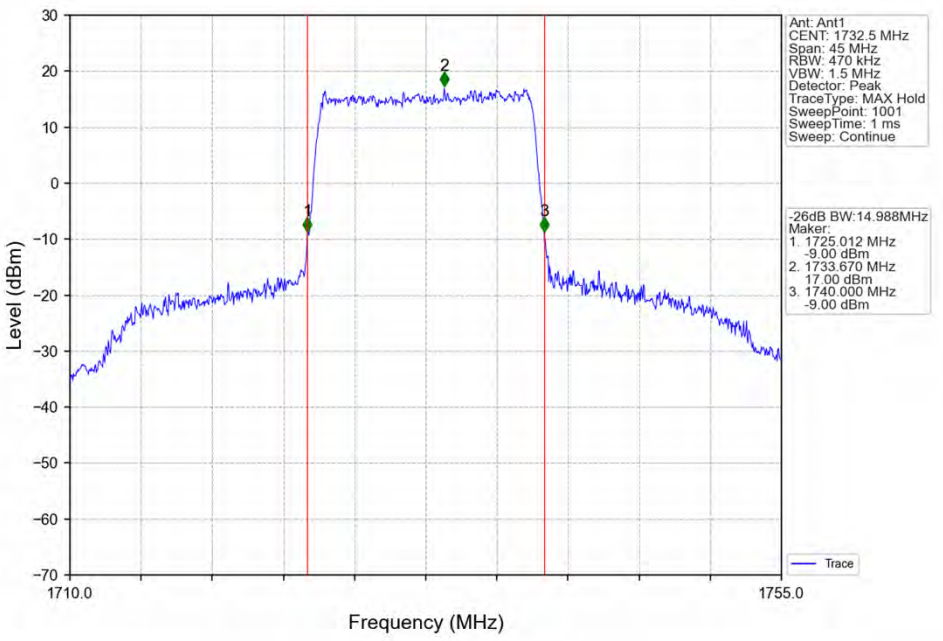
Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



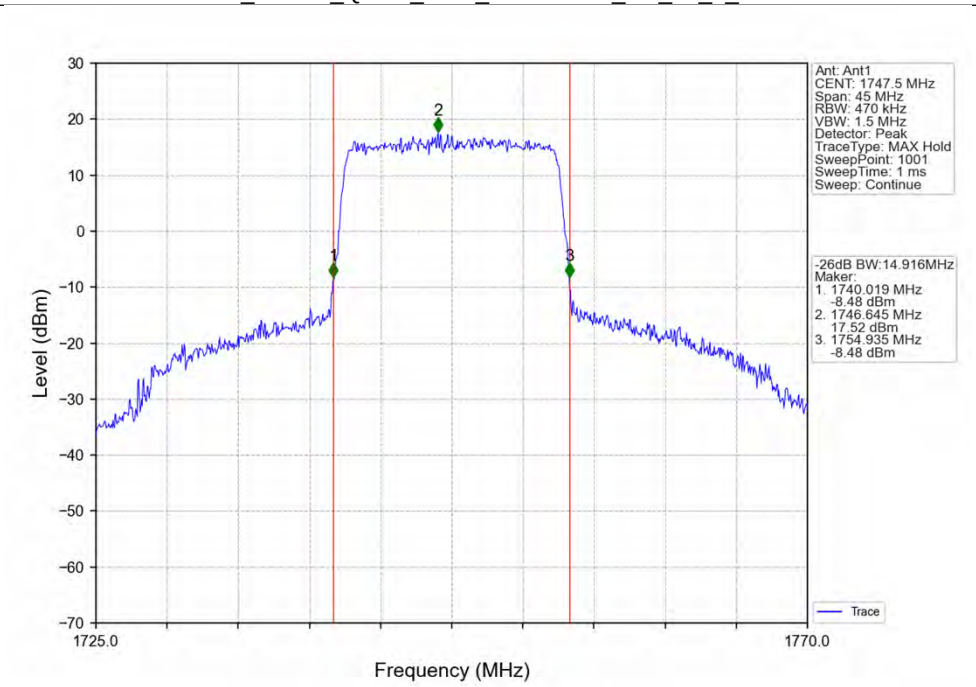
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



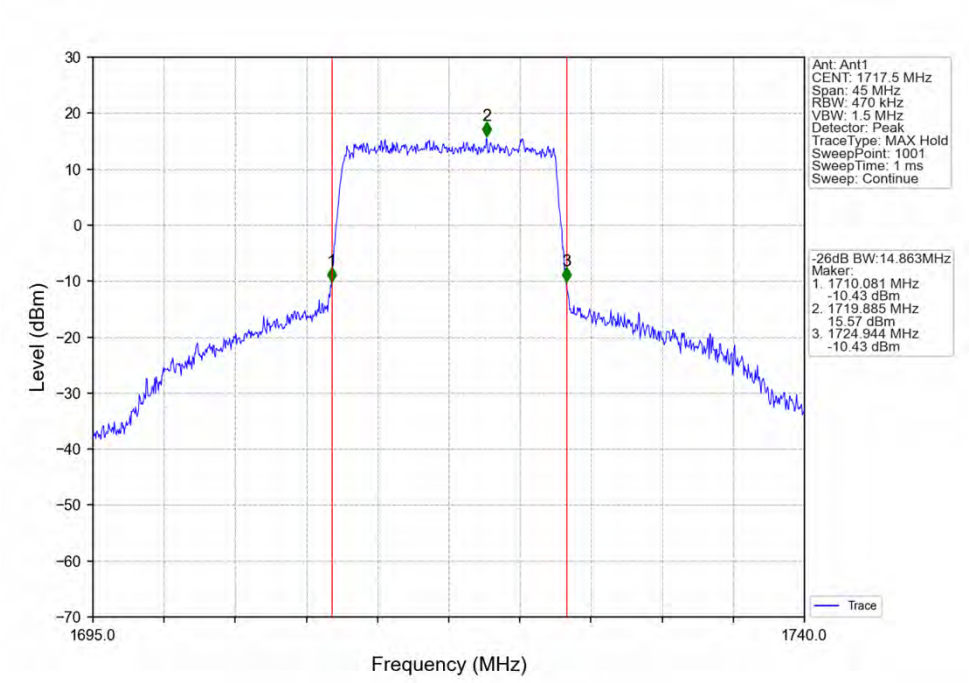
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



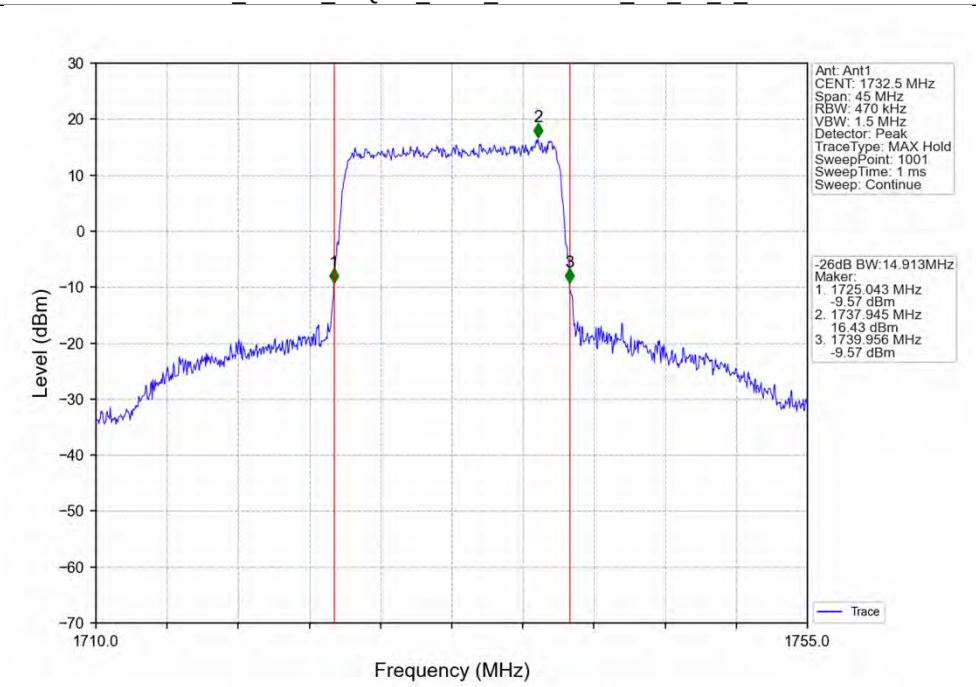
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



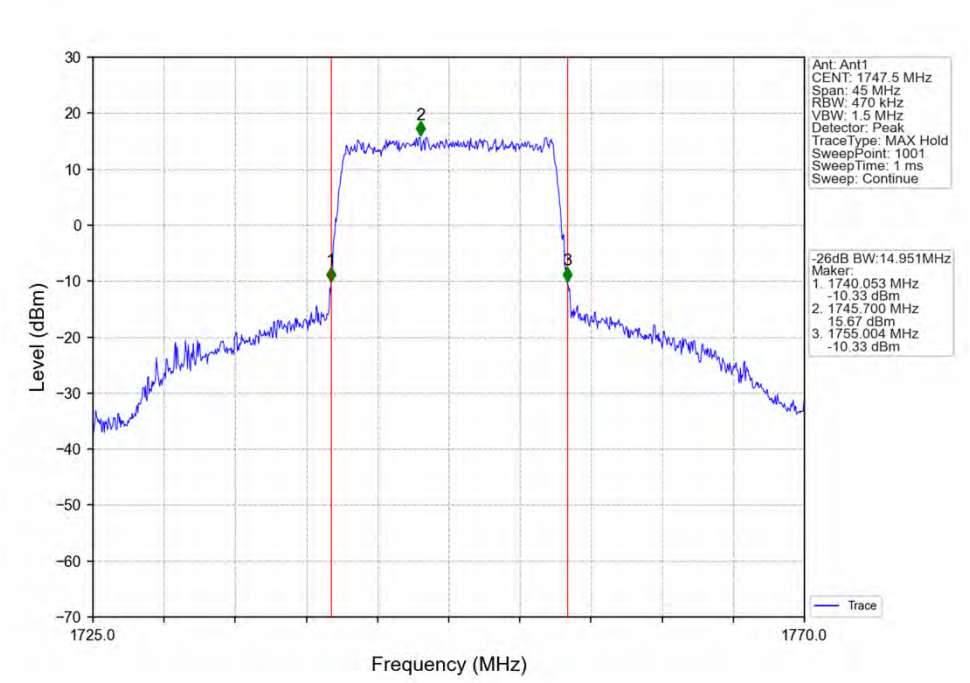
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



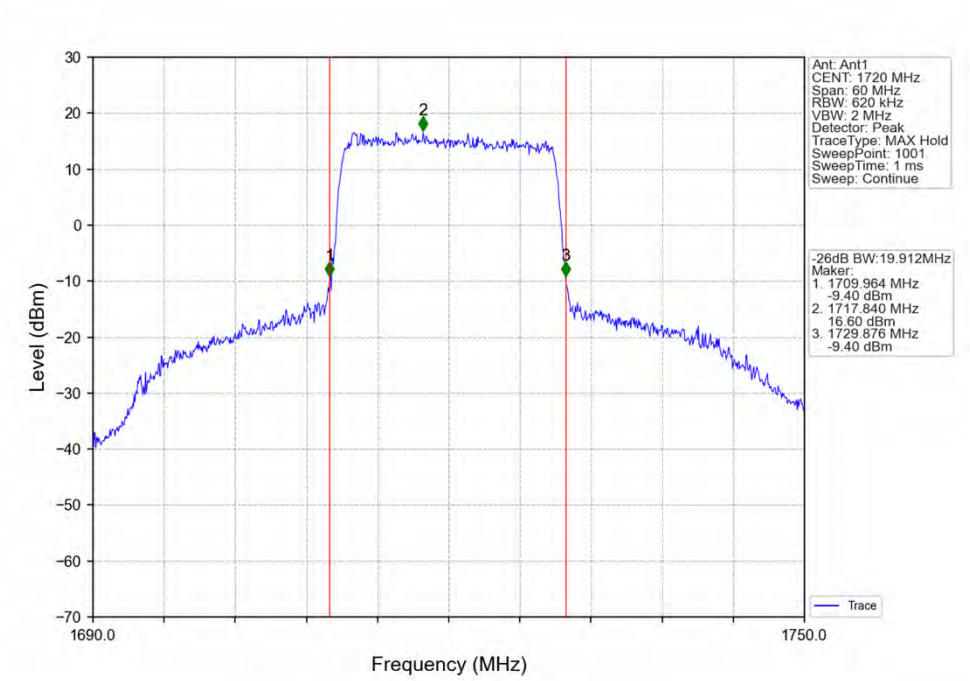
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



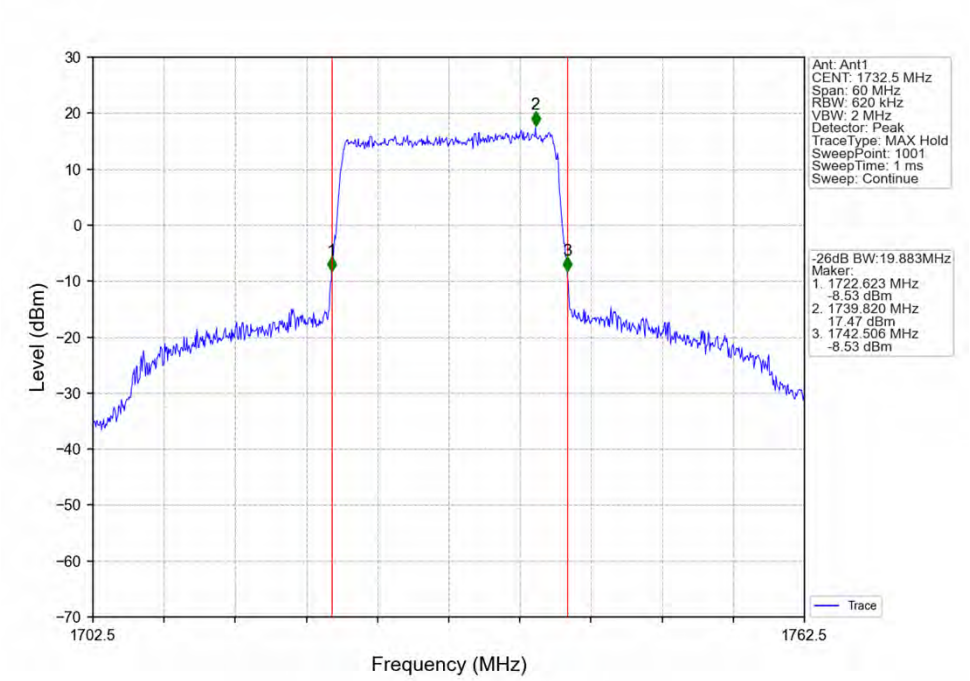
Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV



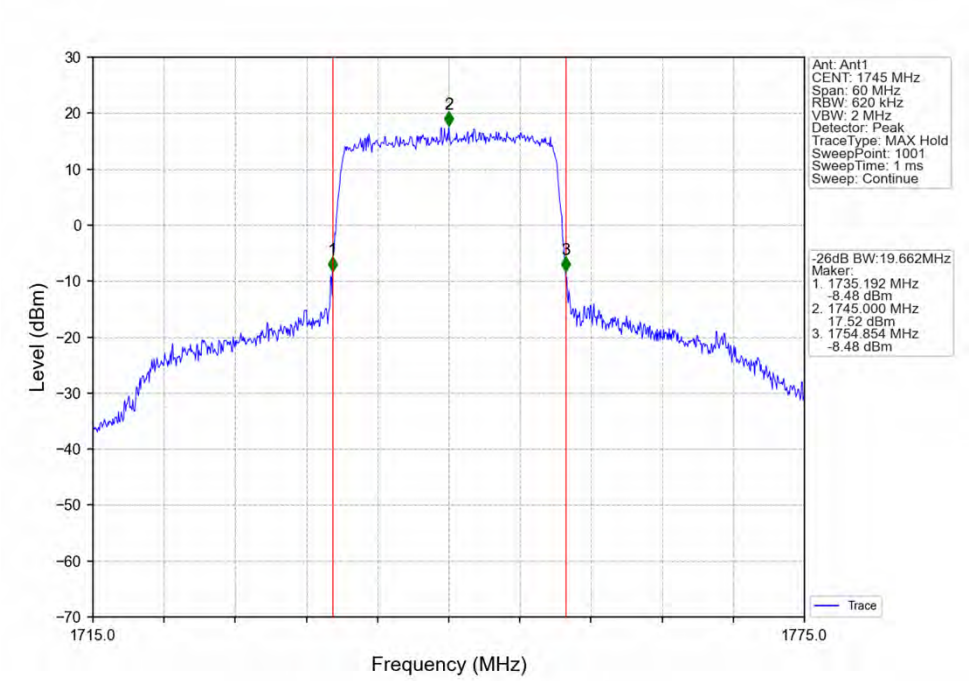
Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



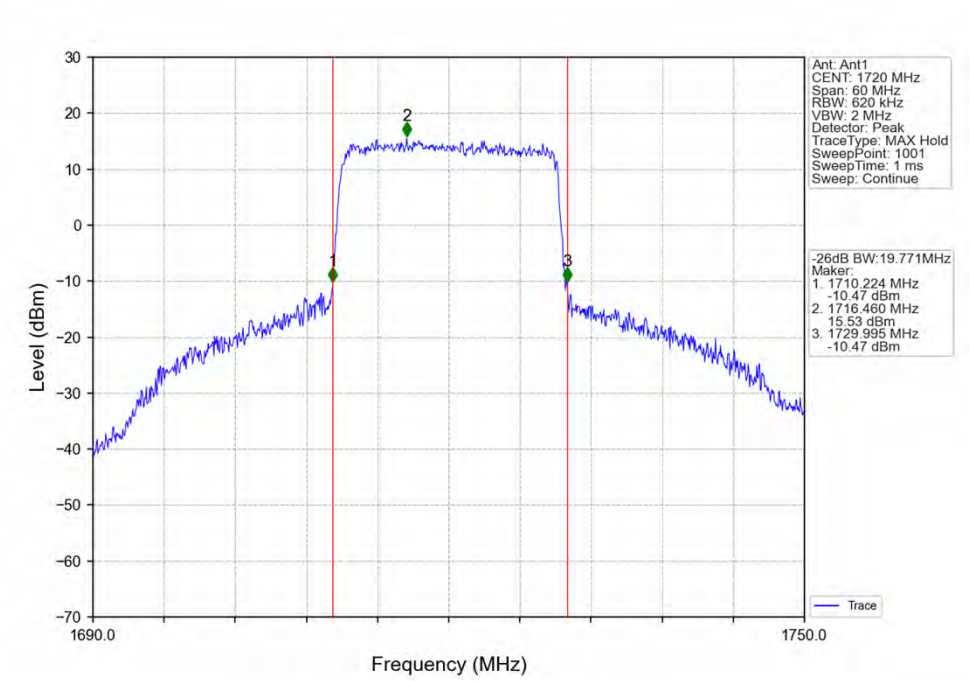
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



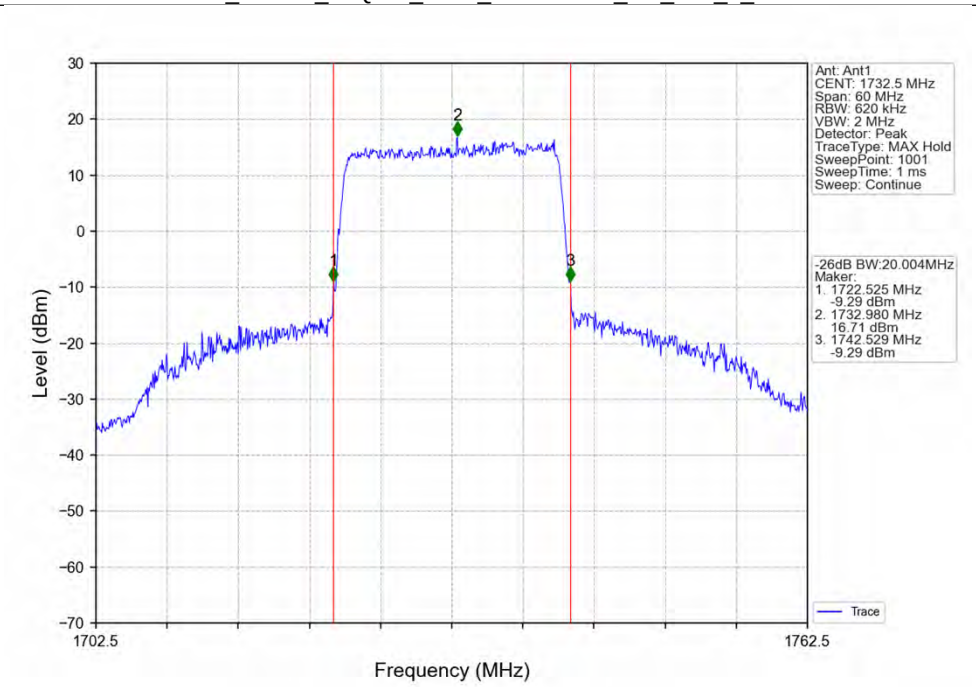
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



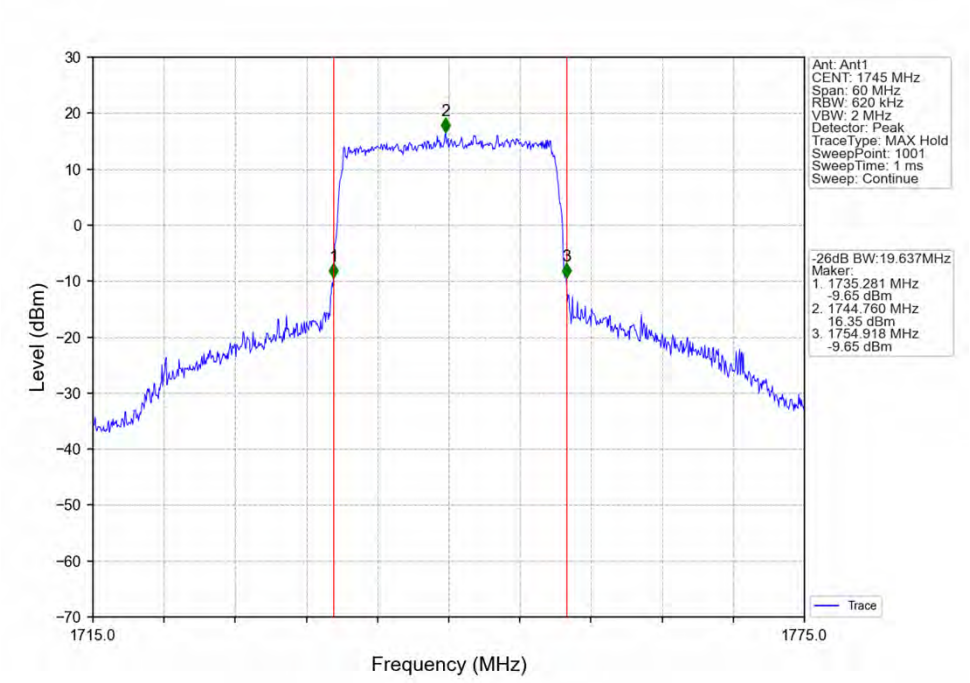
Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV



5. Peak-Average Ratio

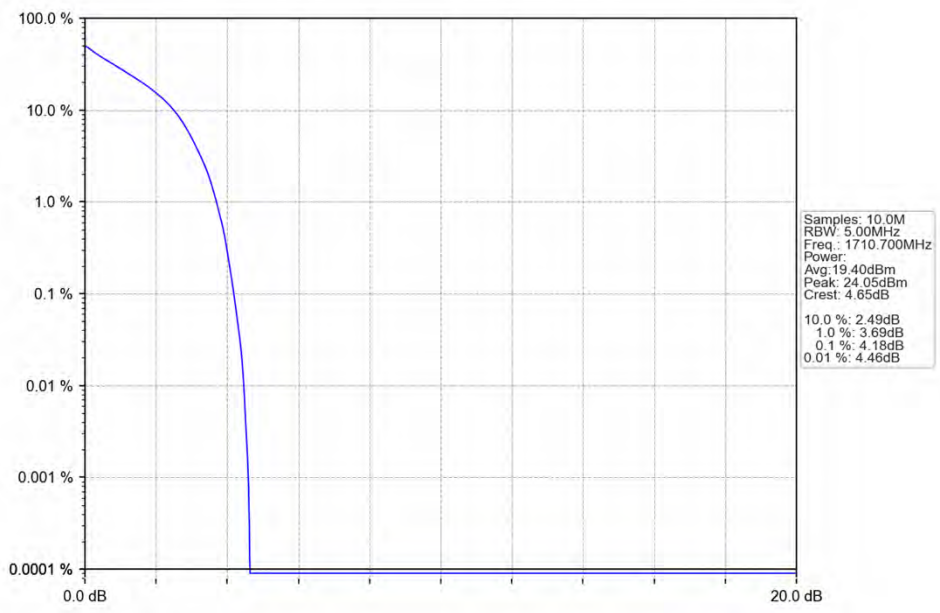
5.1 B4_1.4MHz

5.1.1 Test Result

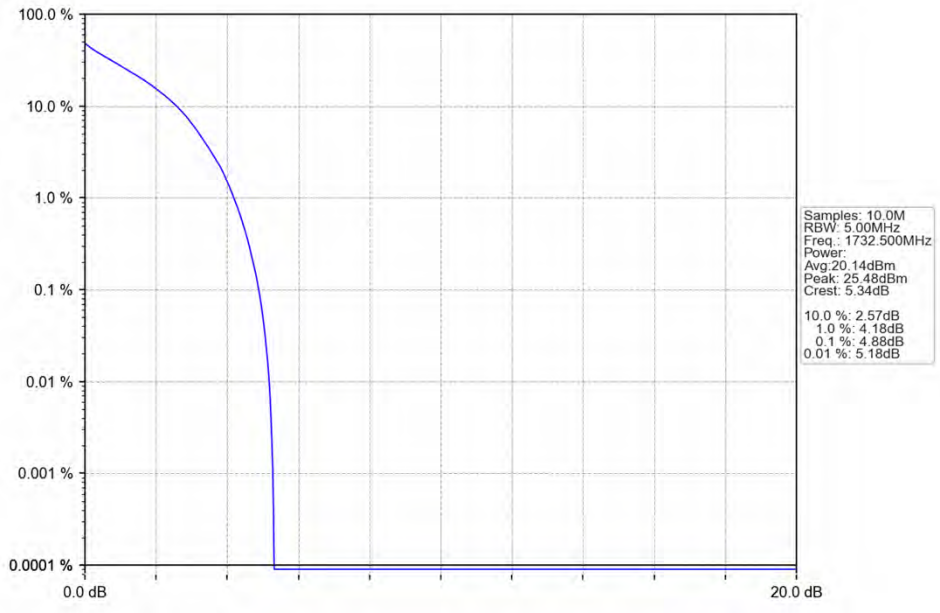
Band: 4 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1710.7	6	0	4.18	<=13	Pass
	1732.5	6	0	4.88	<=13	Pass
	1754.3	6	0	4.03	<=13	Pass
16QAM	1710.7	6	0	4.99	<=13	Pass
	1732.5	6	0	5.69	<=13	Pass
	1754.3	6	0	4.81	<=13	Pass

5.1.2 Test Graph

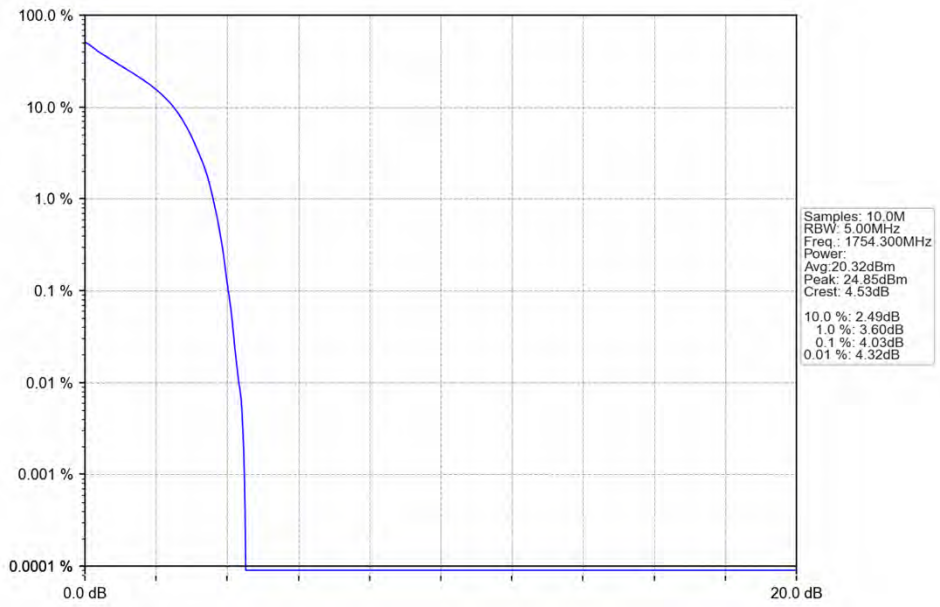
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



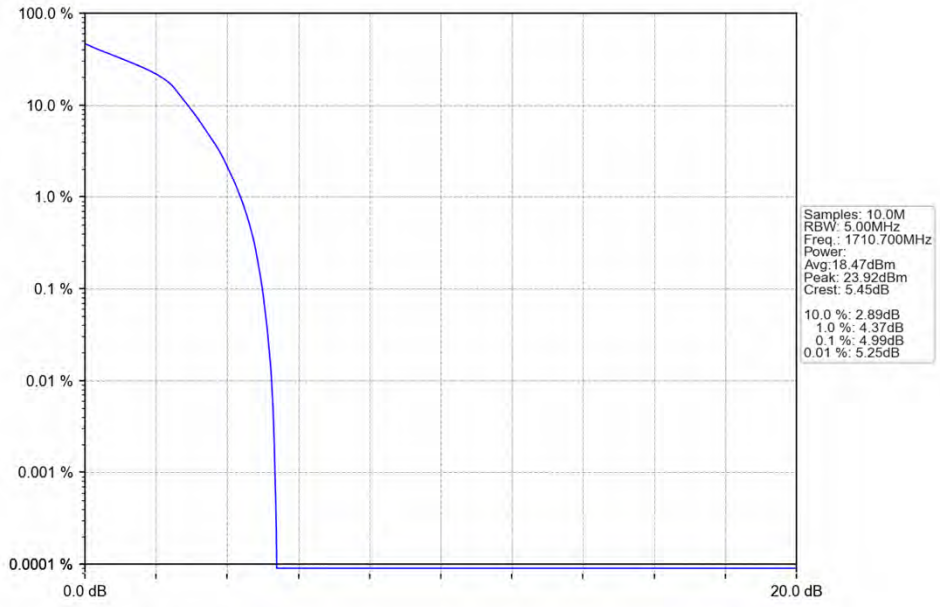
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV



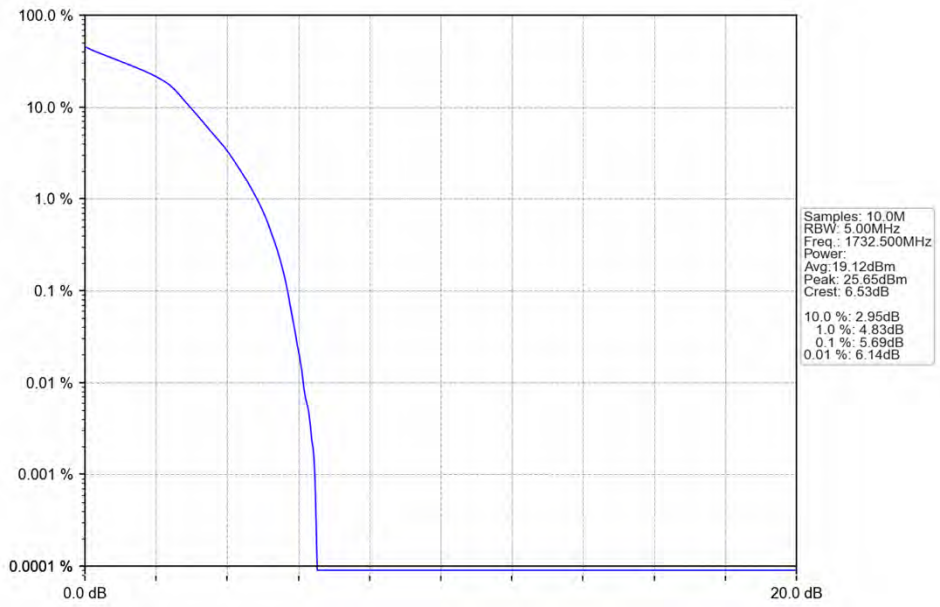
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



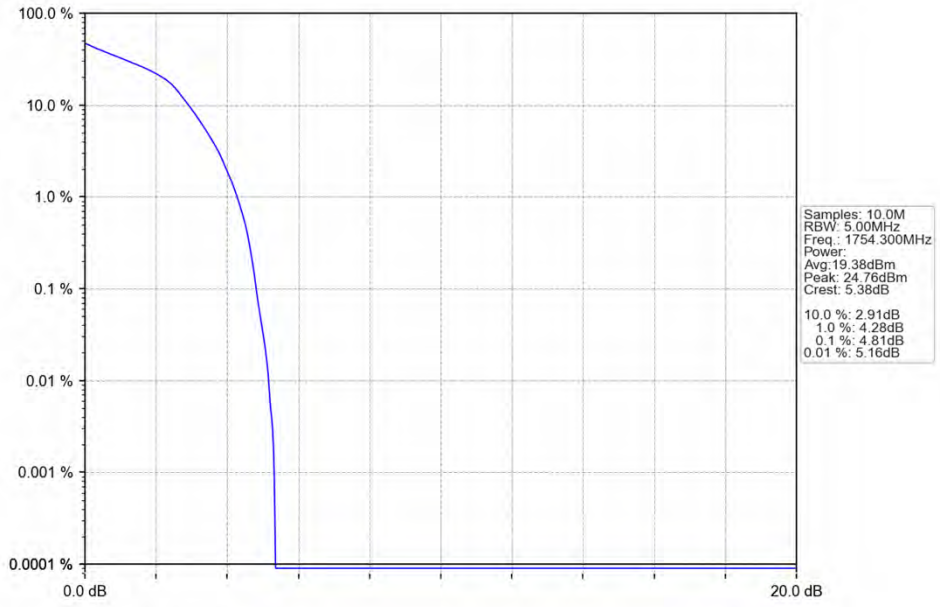
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



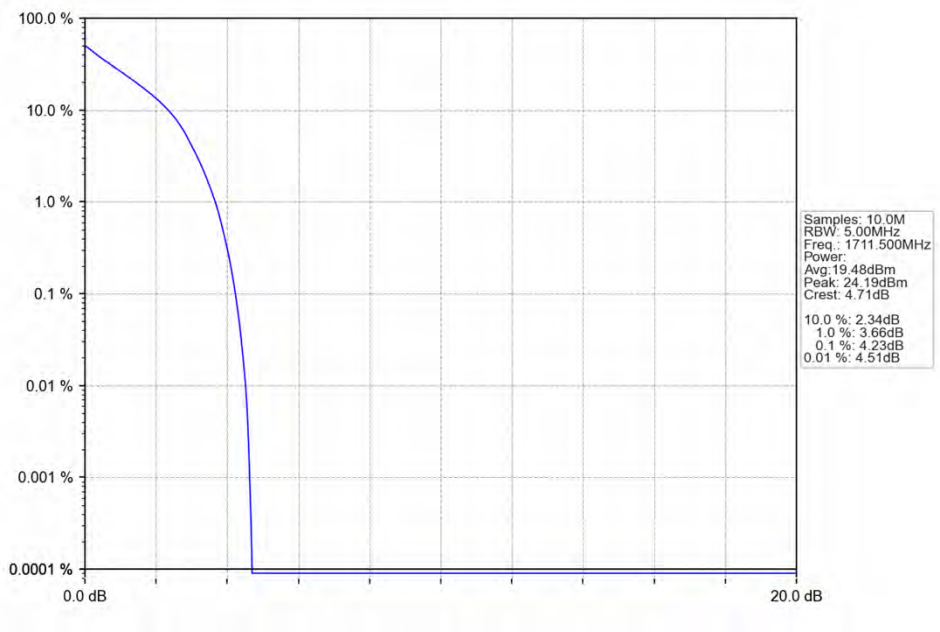
5.2 B4_3MHz

5.2.1 Test Result

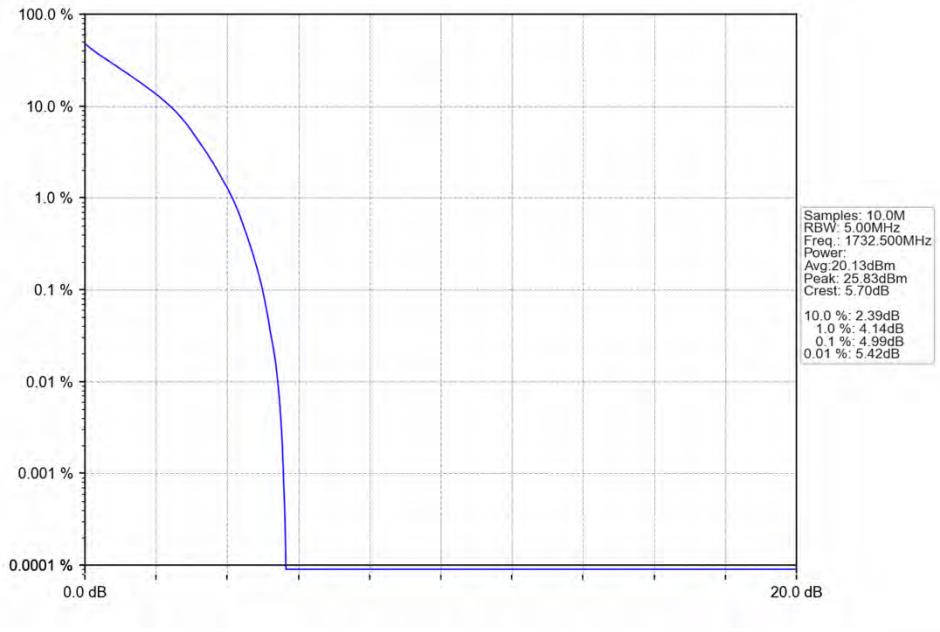
Band: 4 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1711.5	15	0	4.23	<=13	Pass
	1732.5	15	0	4.99	<=13	Pass
	1753.5	15	0	4.11	<=13	Pass
16QAM	1711.5	15	0	5.06	<=13	Pass
	1732.5	15	0	5.80	<=13	Pass
	1753.5	15	0	4.93	<=13	Pass

5.2.2 Test Graph

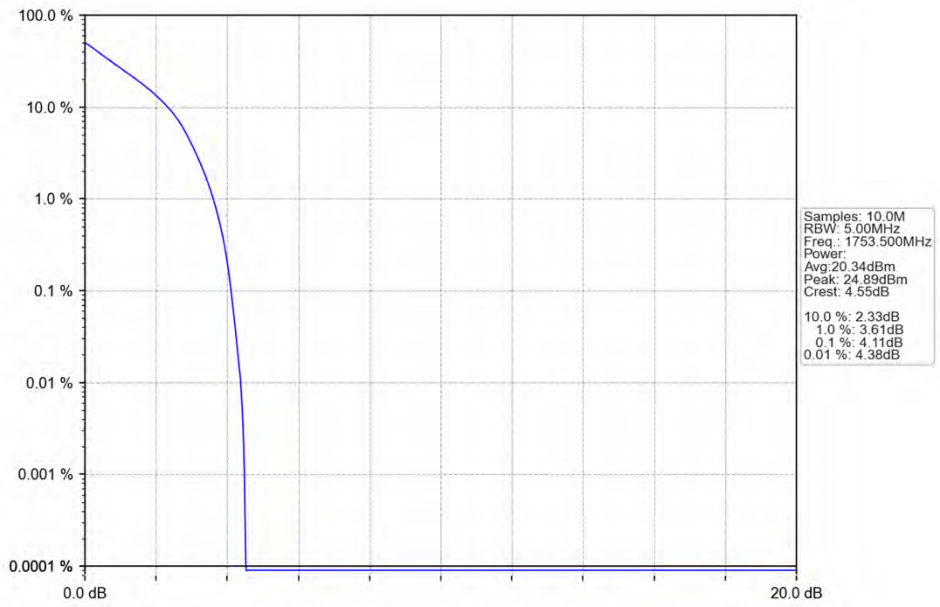
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



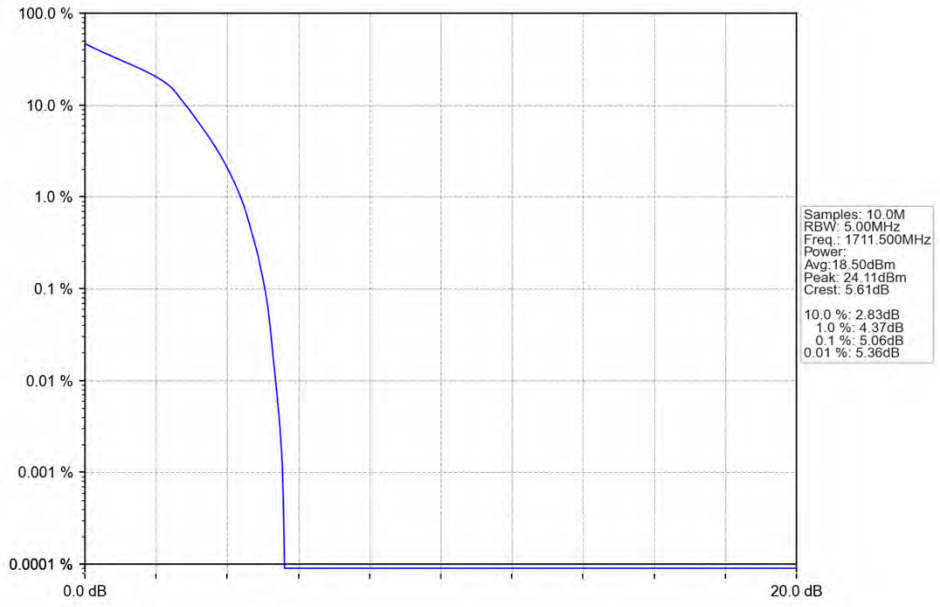
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



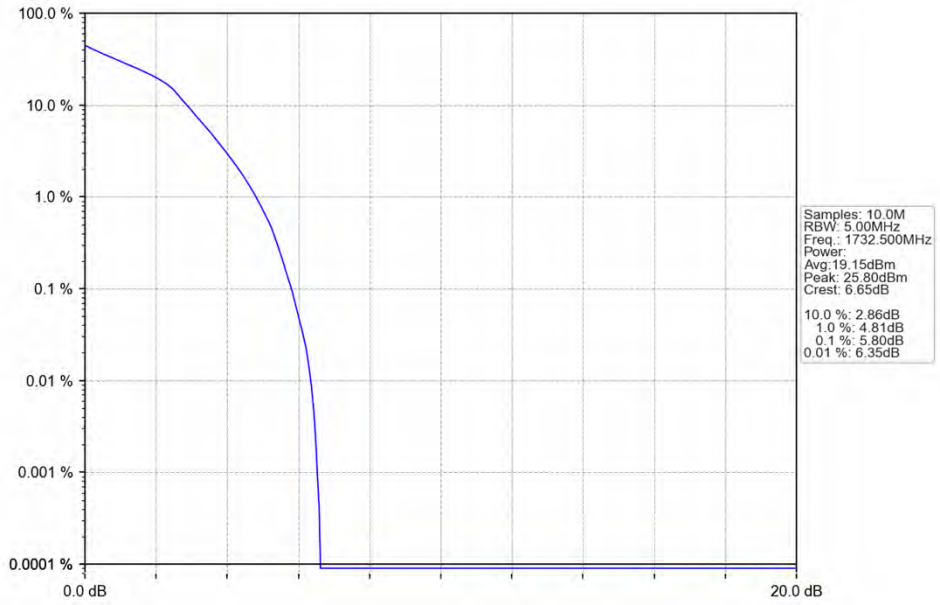
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



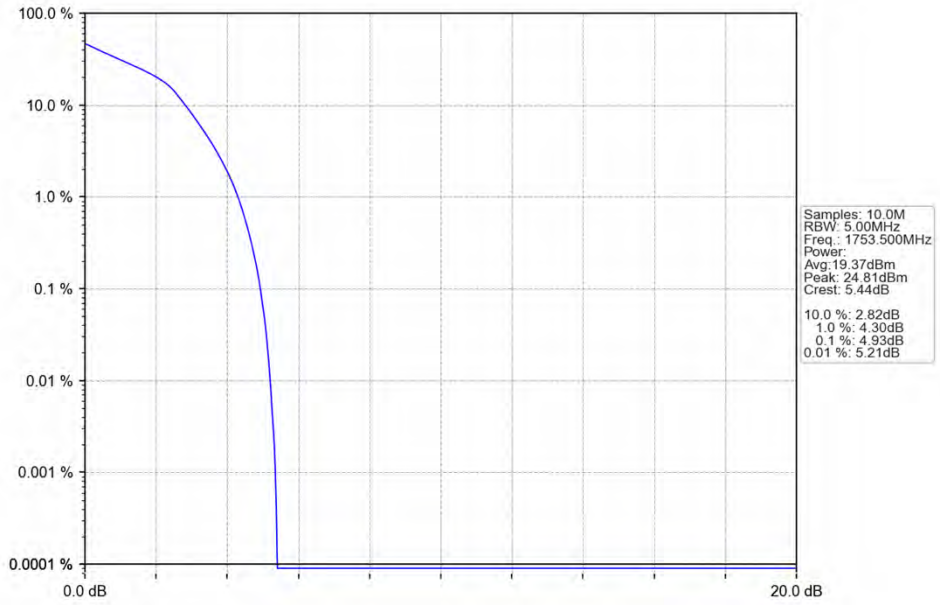
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



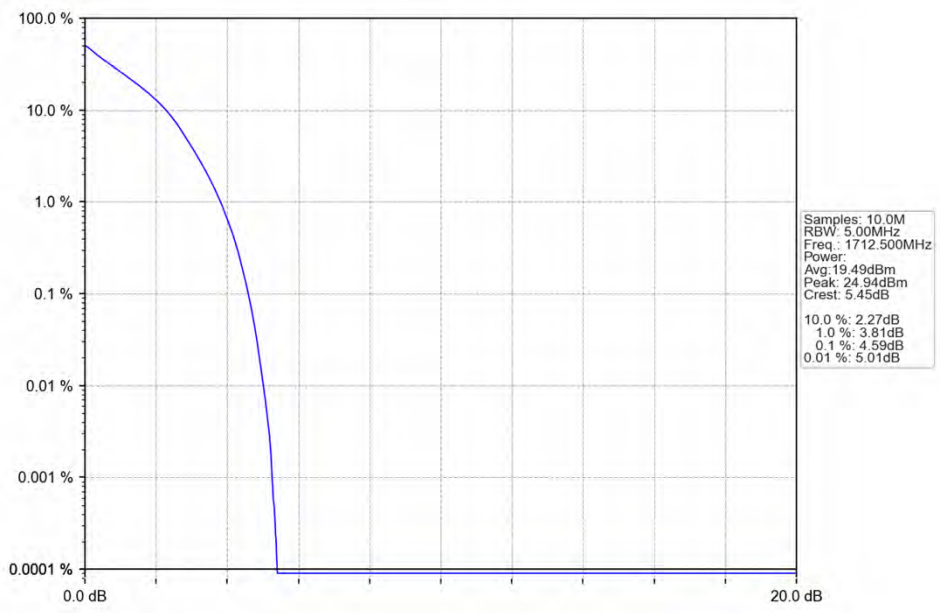
5.3 B4_5MHz

5.3.1 Test Result

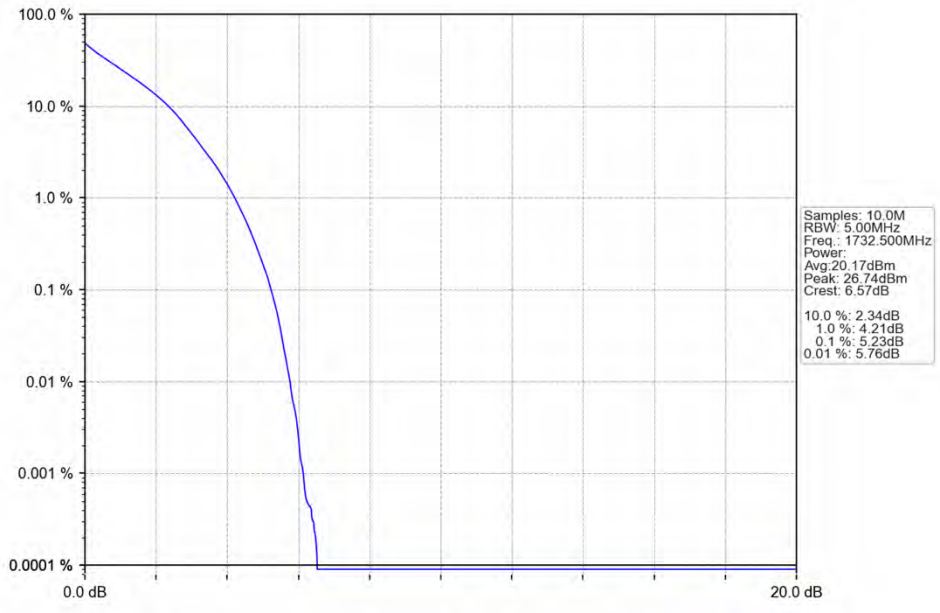
Band: 4 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1712.5	25	0	4.59	<=13	Pass
	1732.5	25	0	5.23	<=13	Pass
	1752.5	25	0	4.51	<=13	Pass
16QAM	1712.5	25	0	5.27	<=13	Pass
	1732.5	25	0	5.93	<=13	Pass
	1752.5	25	0	5.23	<=13	Pass

5.3.2 Test Graph

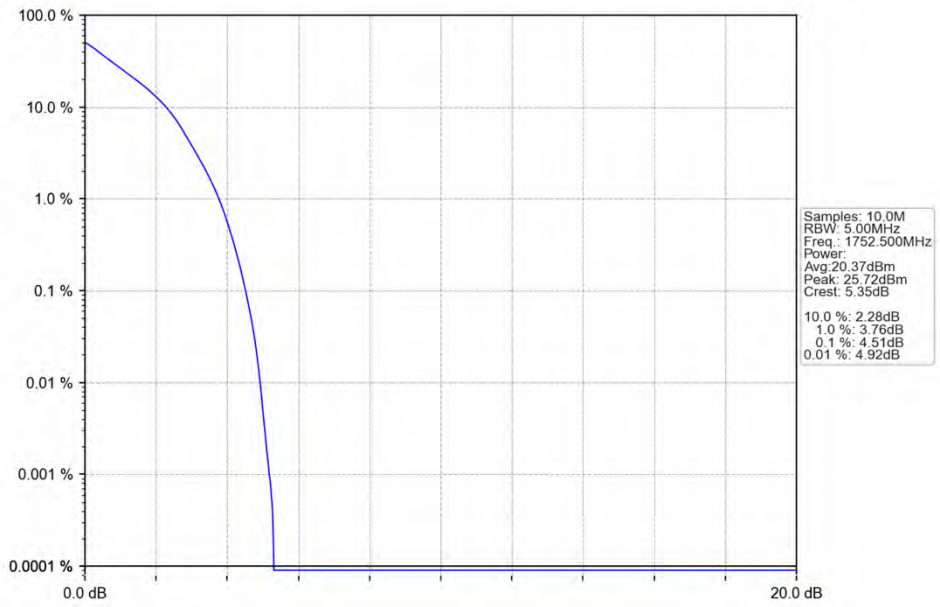
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



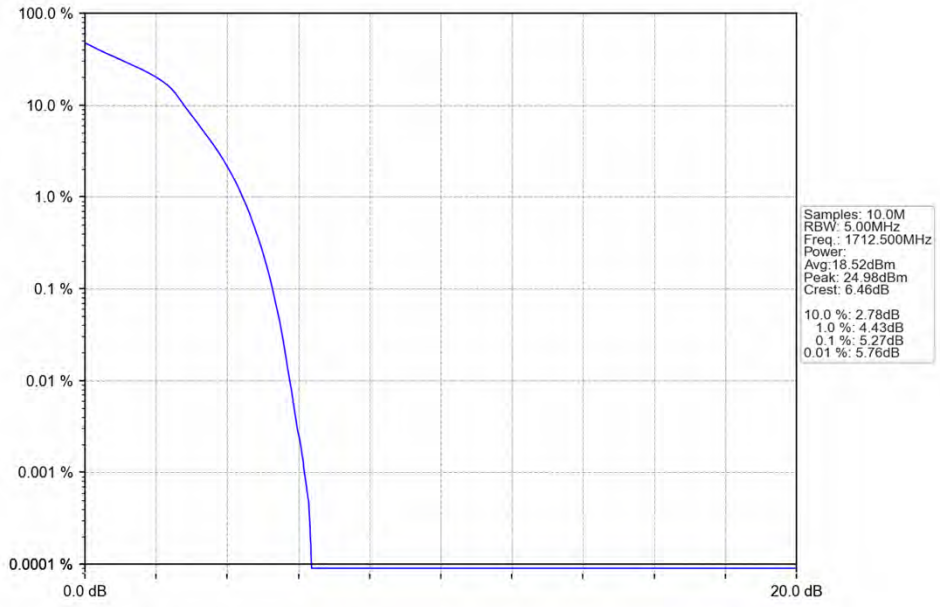
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



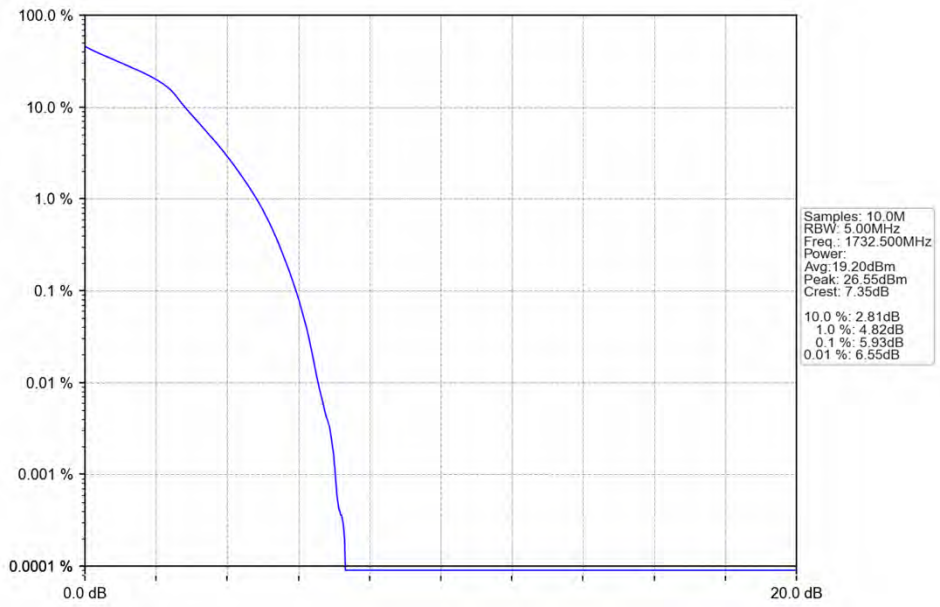
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



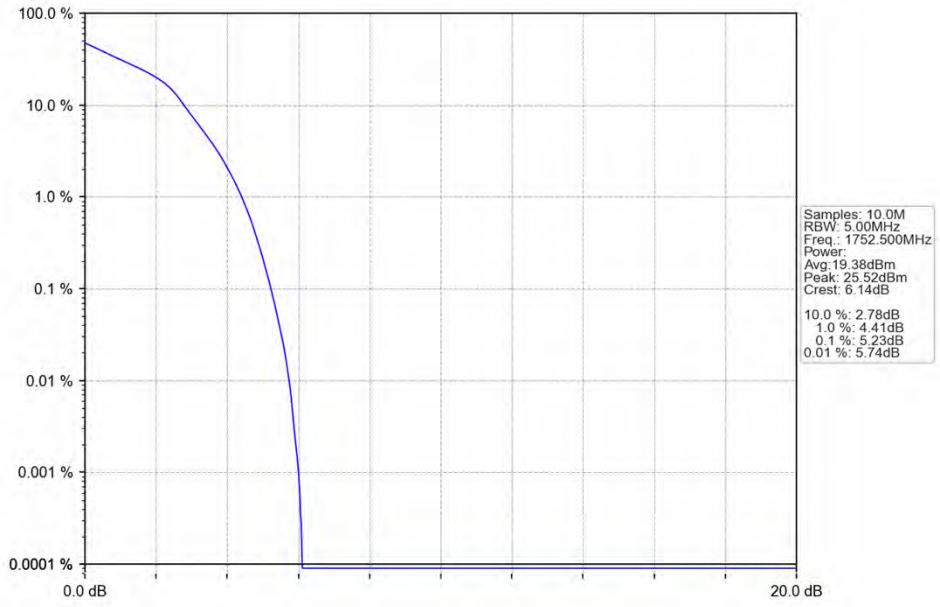
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



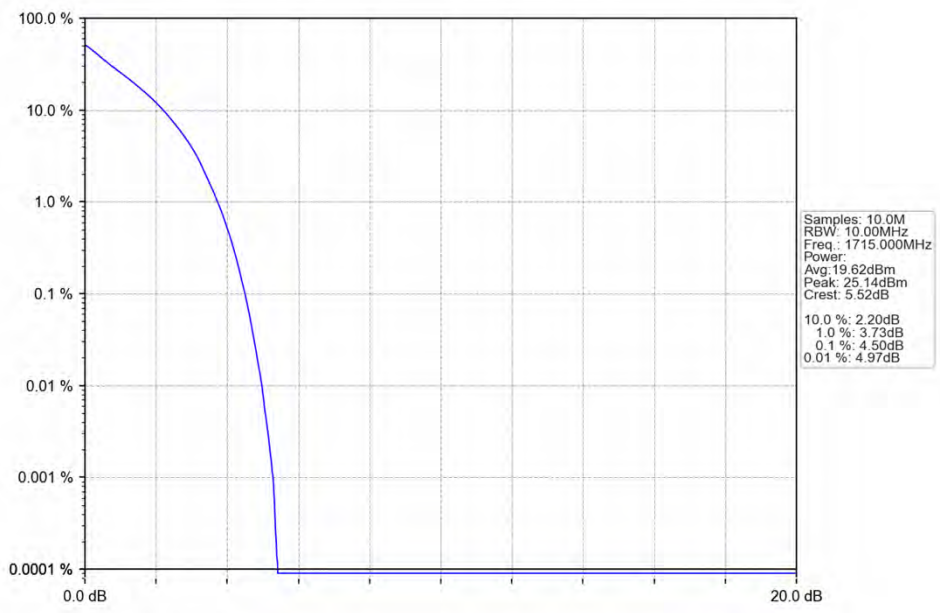
5.4 B4_10MHz

5.4.1 Test Result

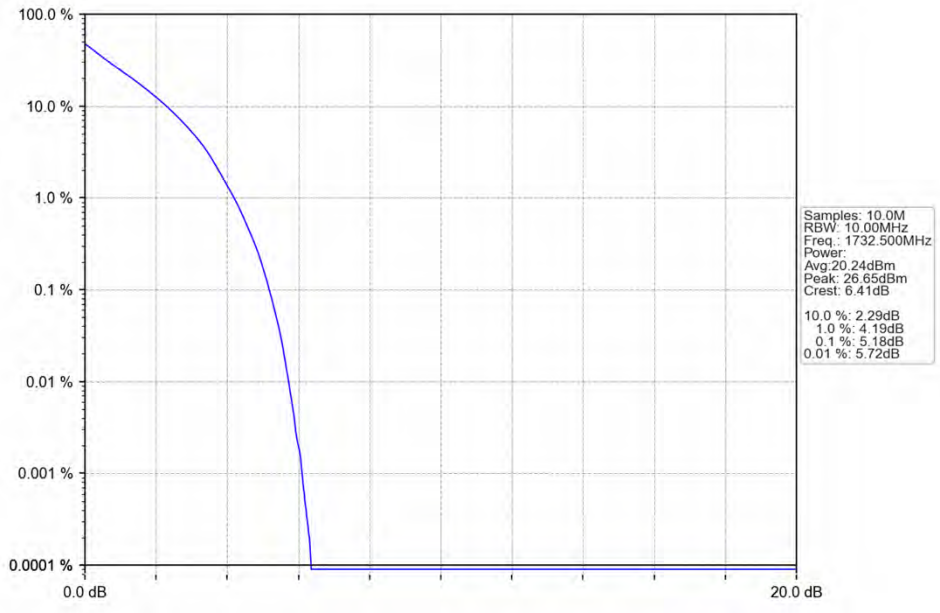
Band: 4 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1715	50	0	4.50	<=13	Pass
	1732.5	50	0	5.18	<=13	Pass
	1750	50	0	4.58	<=13	Pass
16QAM	1715	50	0	5.24	<=13	Pass
	1732.5	50	0	5.96	<=13	Pass
	1750	50	0	5.33	<=13	Pass

5.4.2 Test Graph

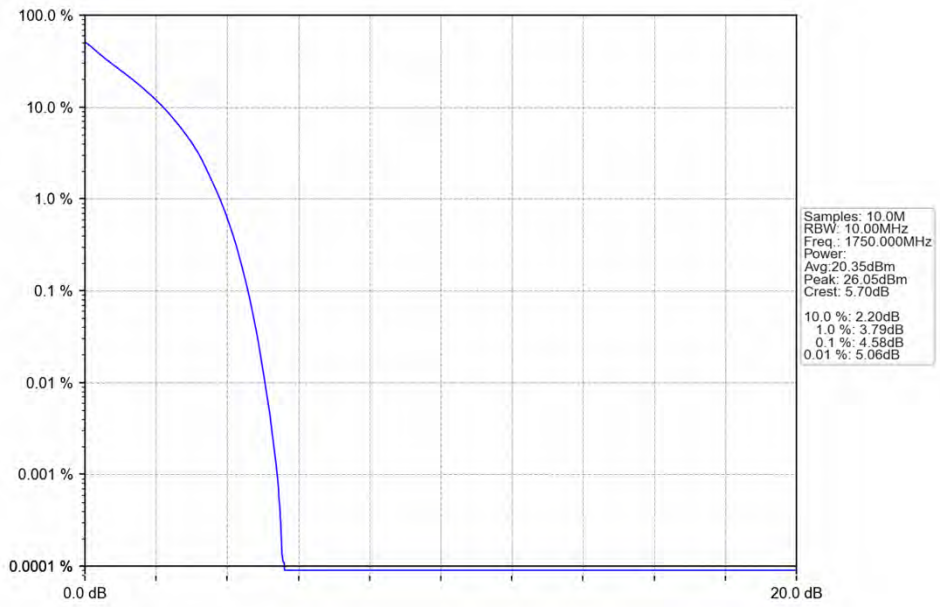
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



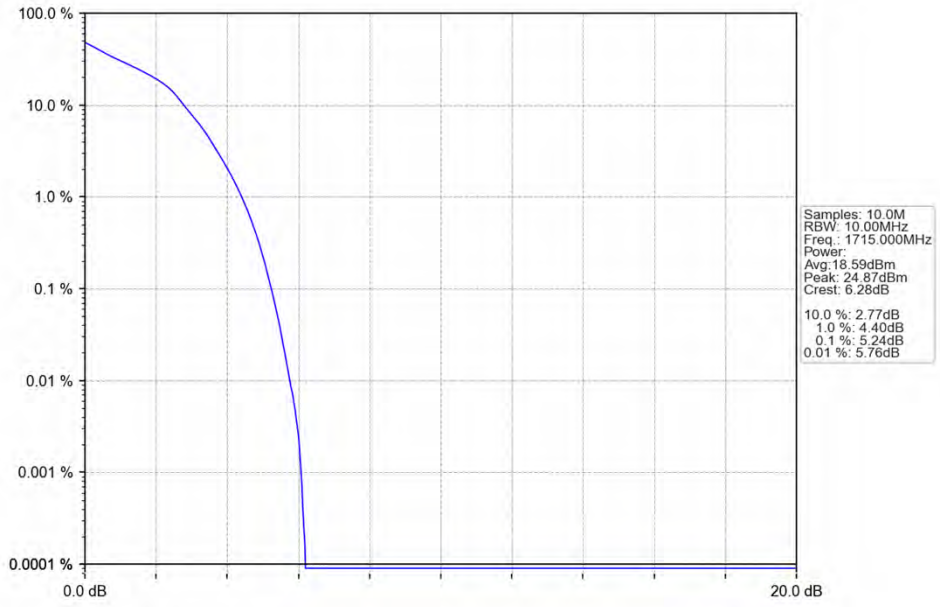
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



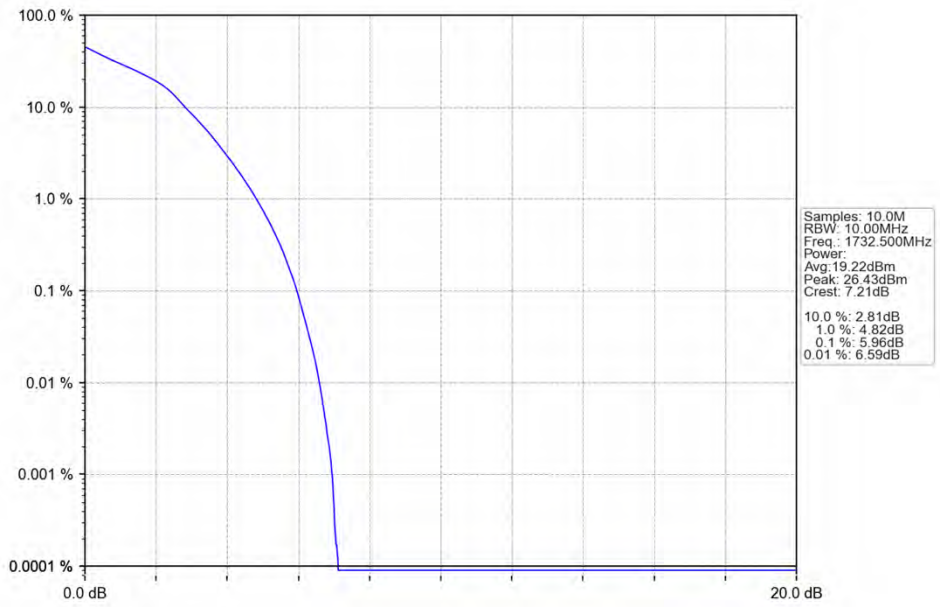
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



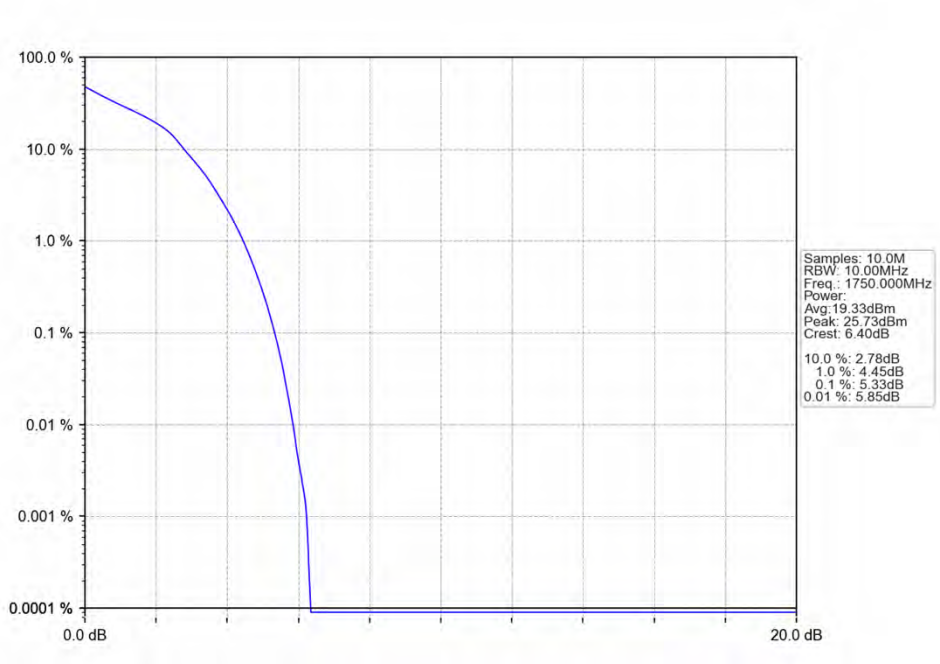
Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



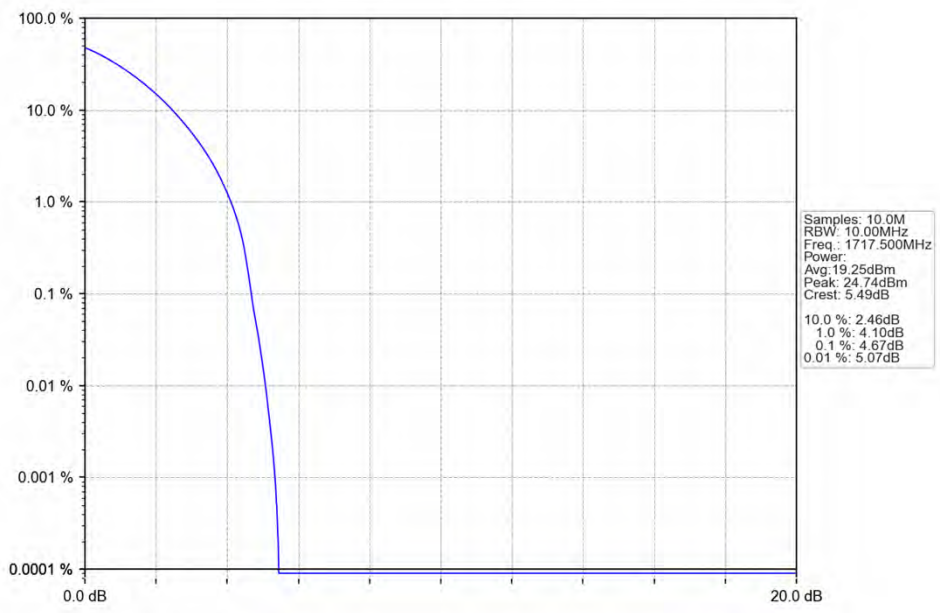
5.5 B4_15MHz

5.5.1 Test Result

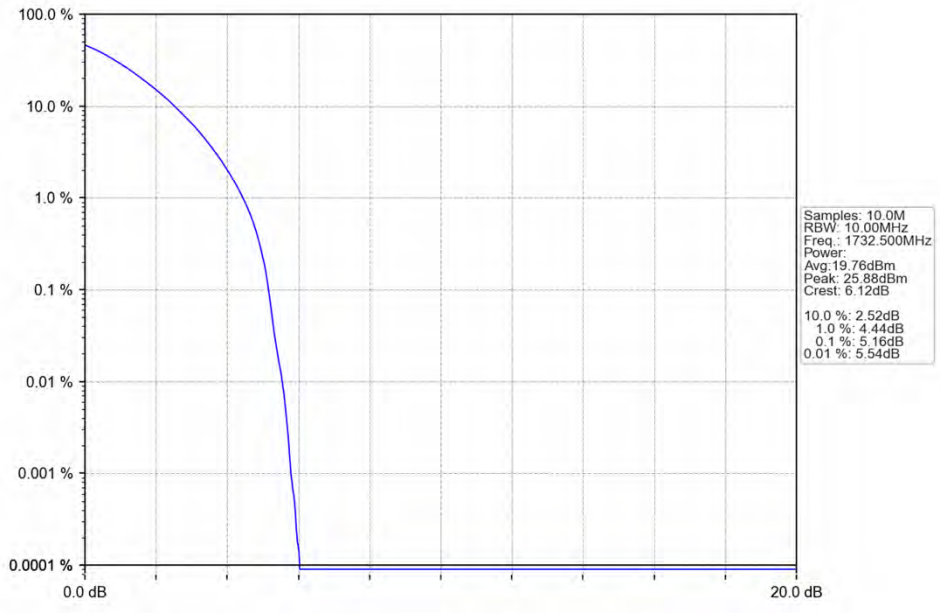
Band: 4 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1717.5	75	0	4.67	<=13	Pass
	1732.5	75	0	5.16	<=13	Pass
	1747.5	75	0	4.78	<=13	Pass
16QAM	1717.5	75	0	5.46	<=13	Pass
	1732.5	75	0	5.93	<=13	Pass
	1747.5	75	0	5.57	<=13	Pass

5.5.2 Test Graph

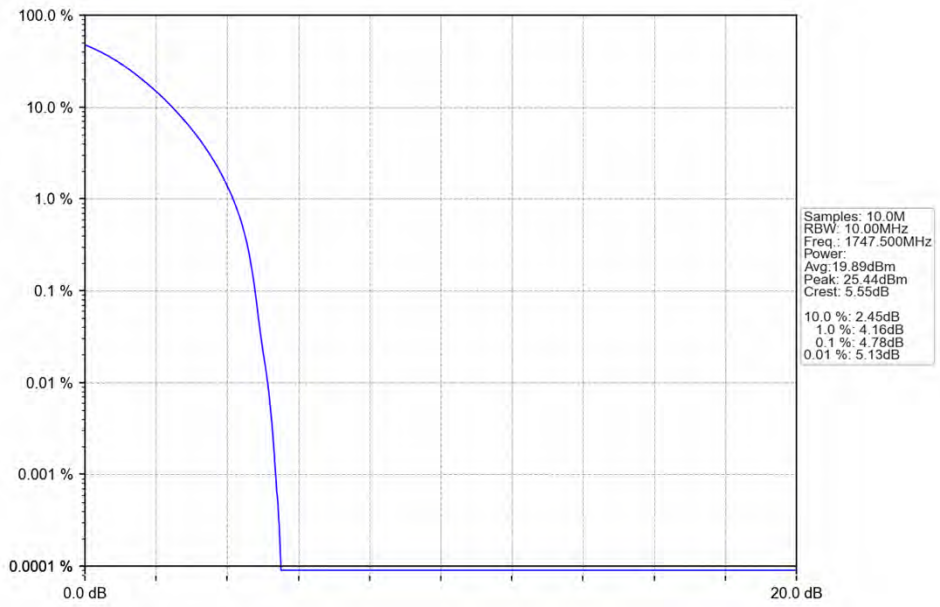
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



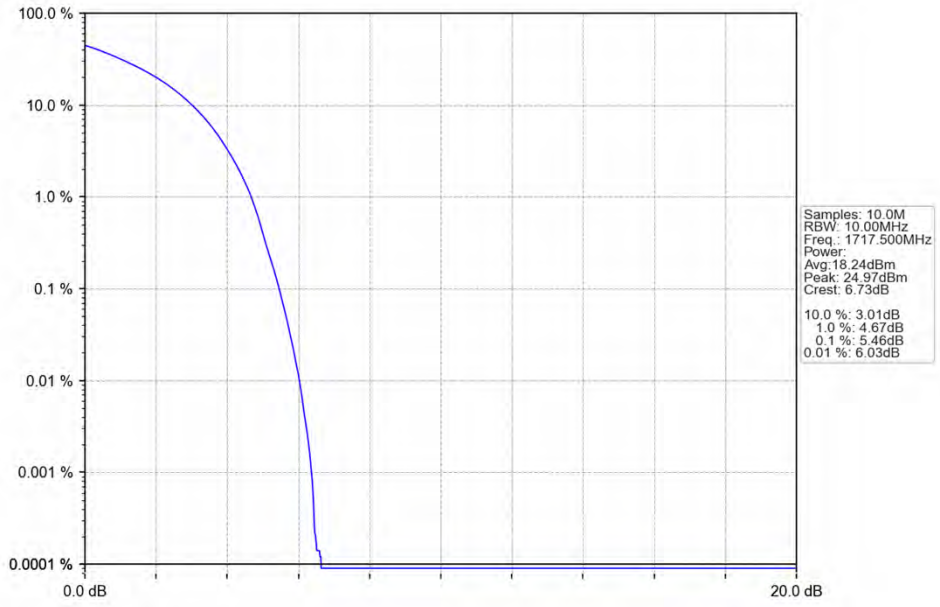
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



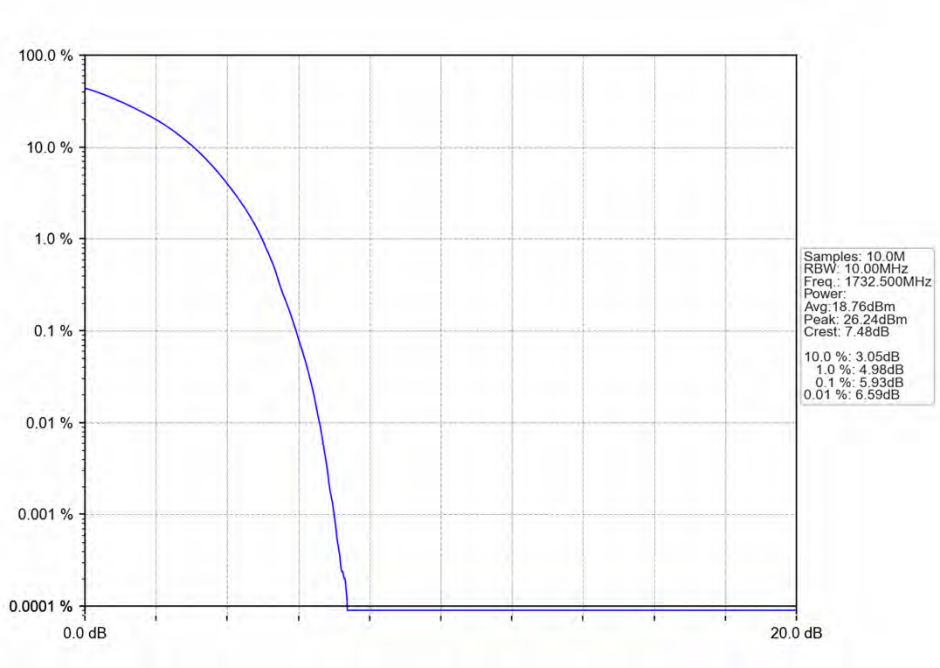
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



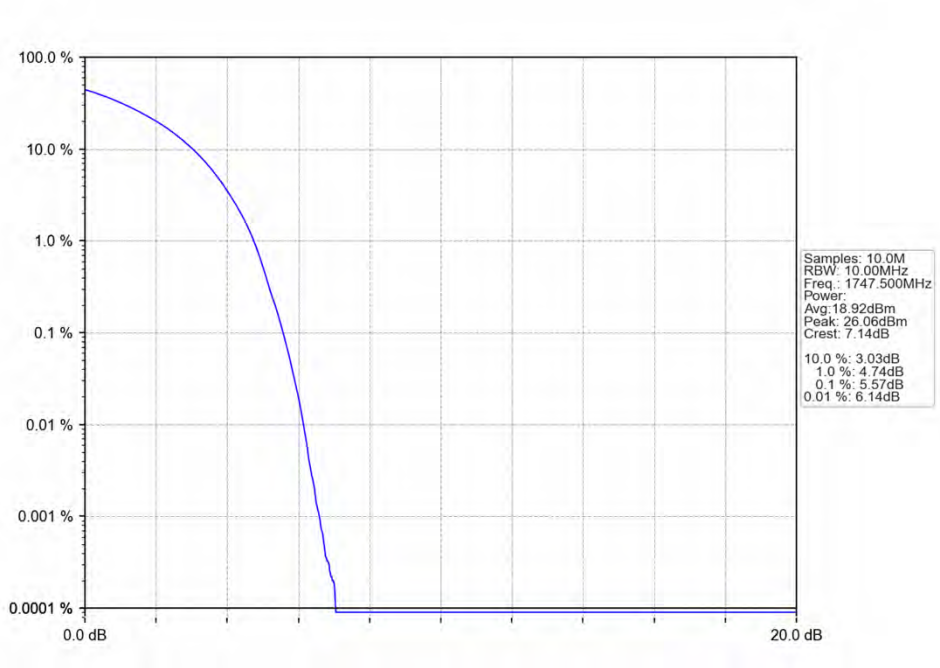
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV



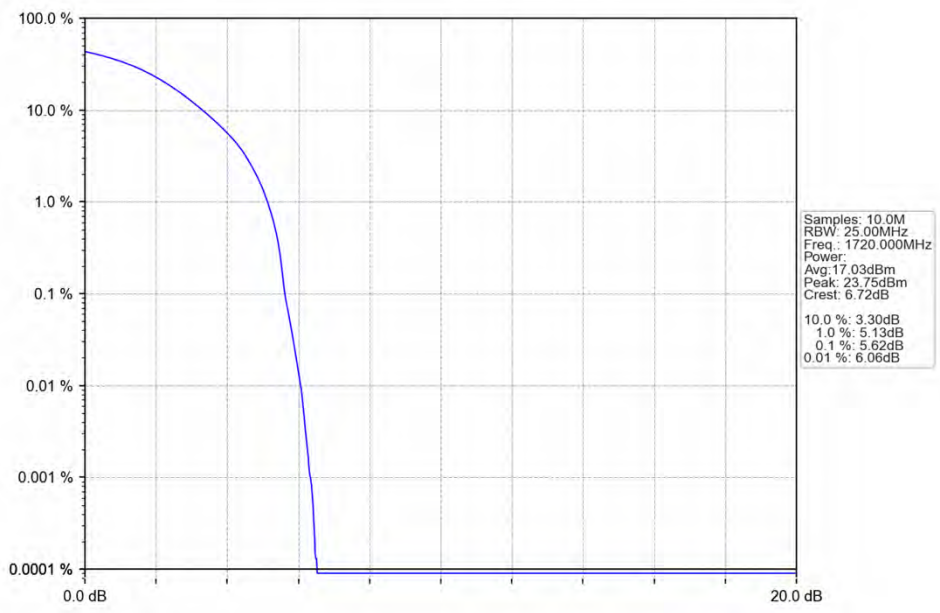
5.6 B4_20MHz

5.6.1 Test Result

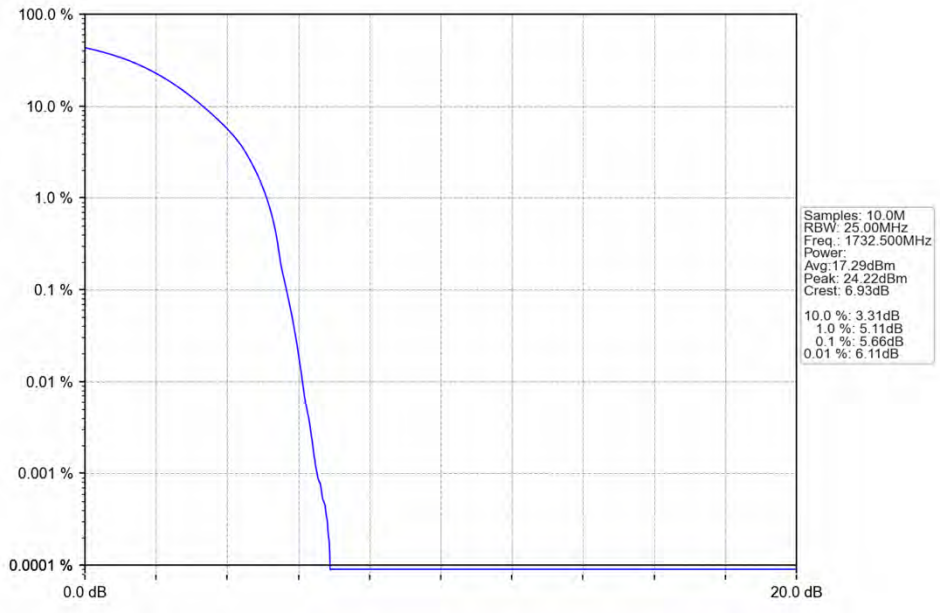
Band: 4 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1720	100	0	5.62	<=13	Pass
	1732.5	100	0	5.66	<=13	Pass
	1745	100	0	5.64	<=13	Pass
16QAM	1720	100	0	6.55	<=13	Pass
	1732.5	100	0	6.69	<=13	Pass
	1745	100	0	6.58	<=13	Pass

5.6.2 Test Graph

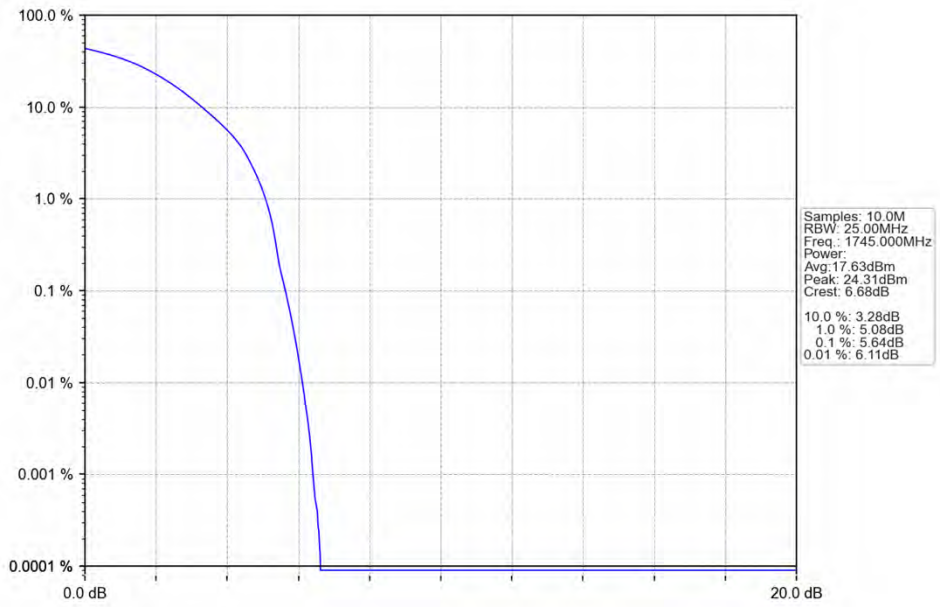
Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



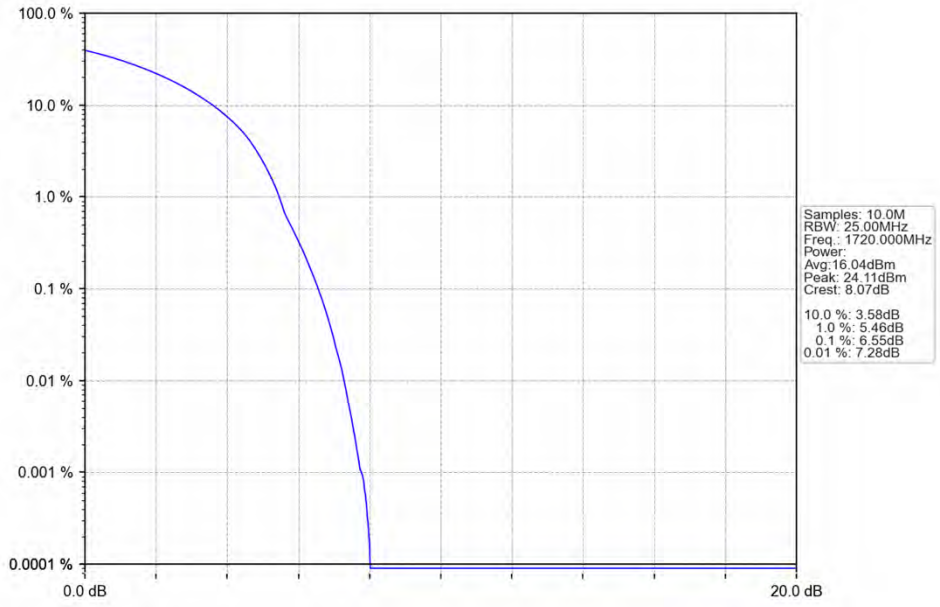
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



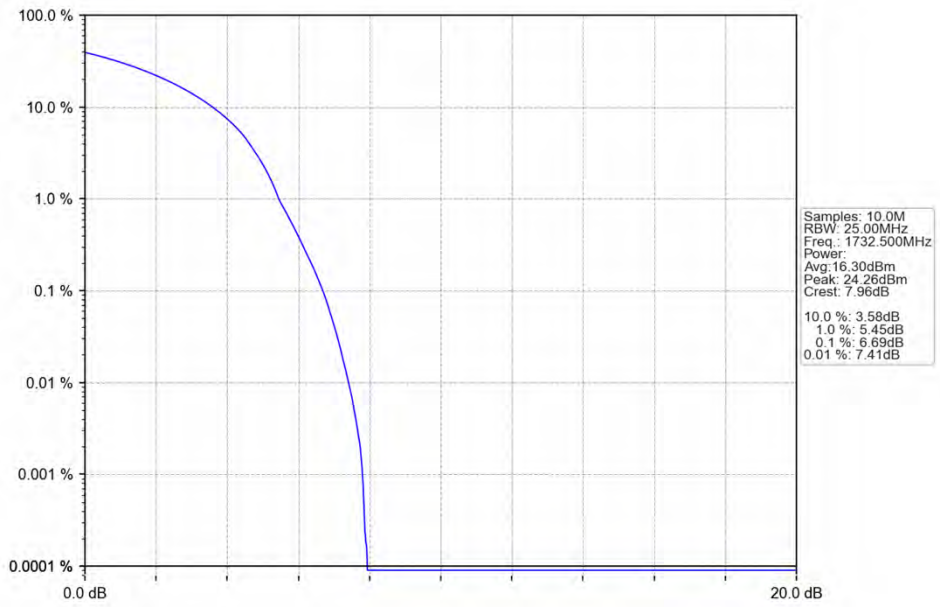
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



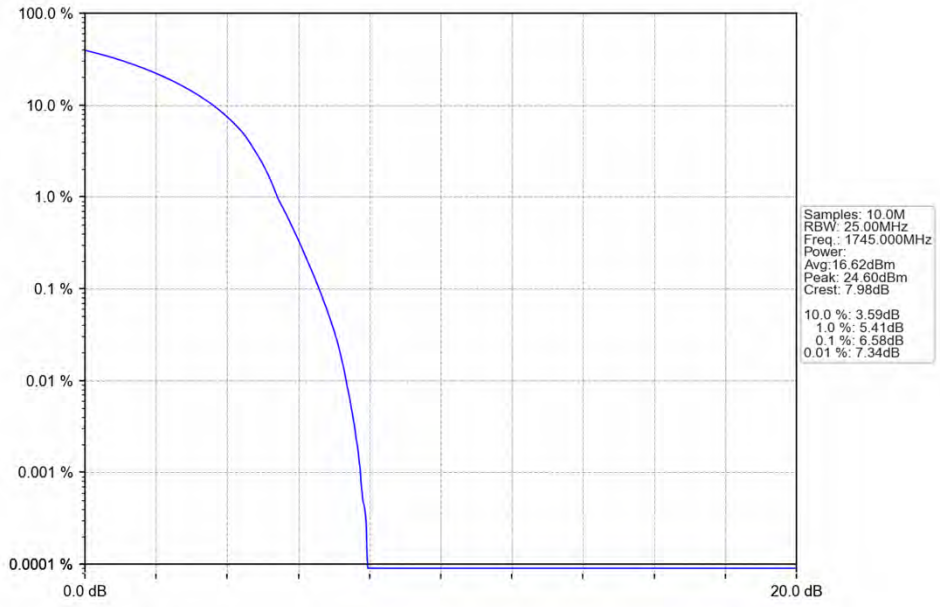
Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV



6. Spurious Emission

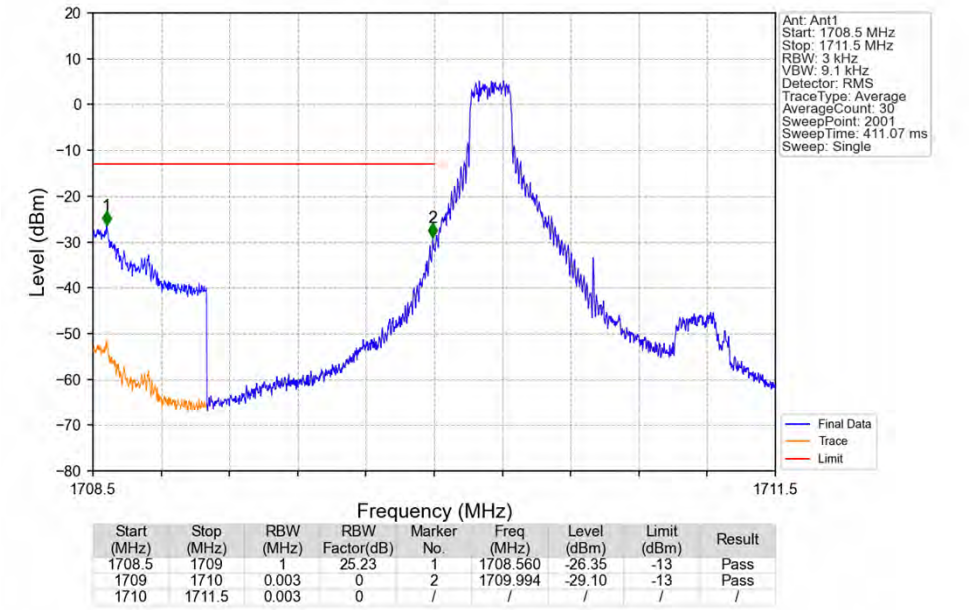
6.1 B4_1.4MHz

6.1.1 Test Result

Band: 4 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1710.7	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
	1754.3	1	0	Refer To Test Graph		Pass
			5	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
16QAM	1710.7	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
	1754.3	1	0	Refer To Test Graph		Pass
			5	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass

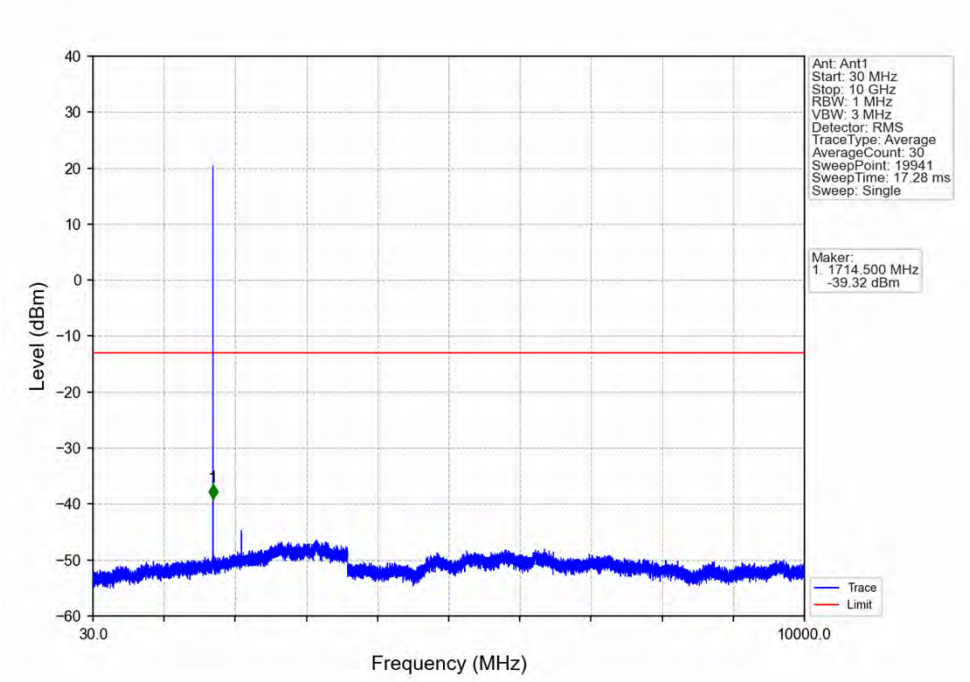
6.1.2 Test Graph

Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_1_0_NTNV

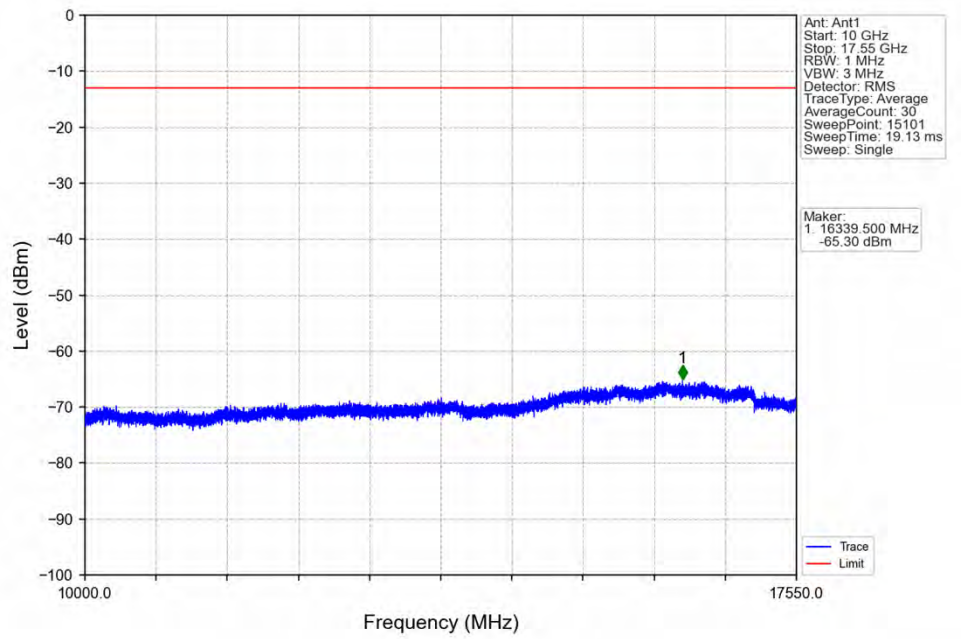


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1708.5	1709	1	25.23	1	1708.560	-26.35	-13	Pass
1709	1710	0.003	0	2	1709.994	-29.10	-13	Pass
1710	1711.5	0.003	0	/	/	/	/	/

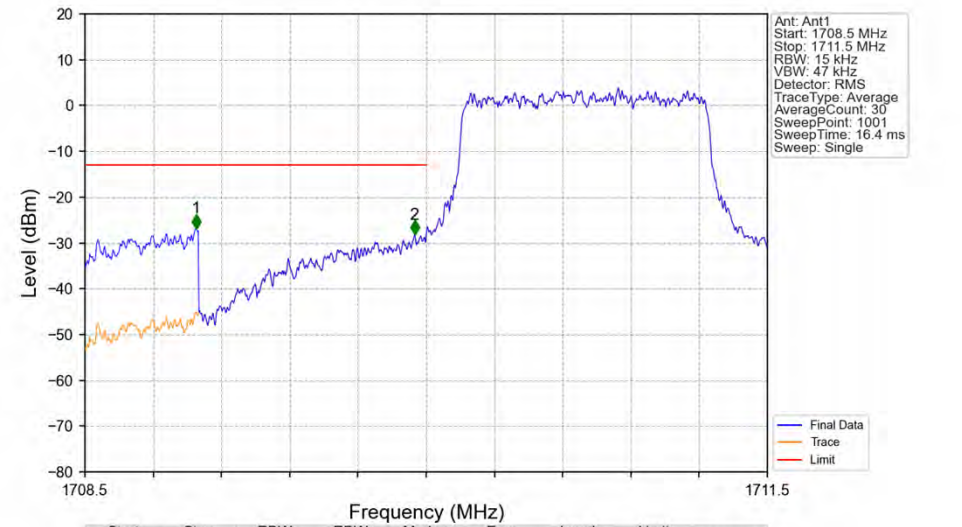
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_1_0_NTNV



Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_1_0_NTNV

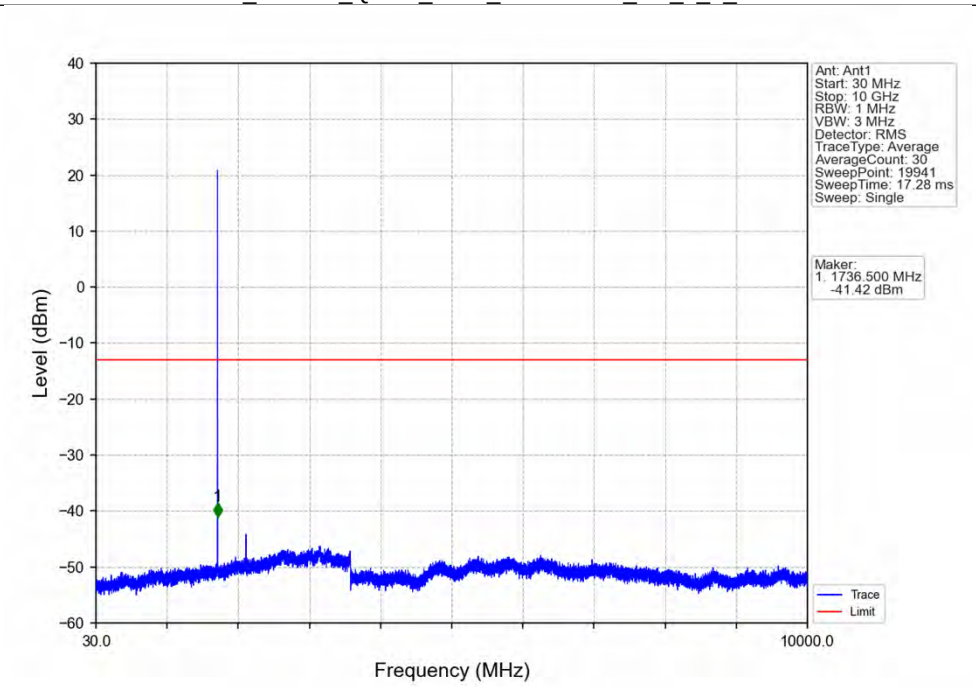


Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV

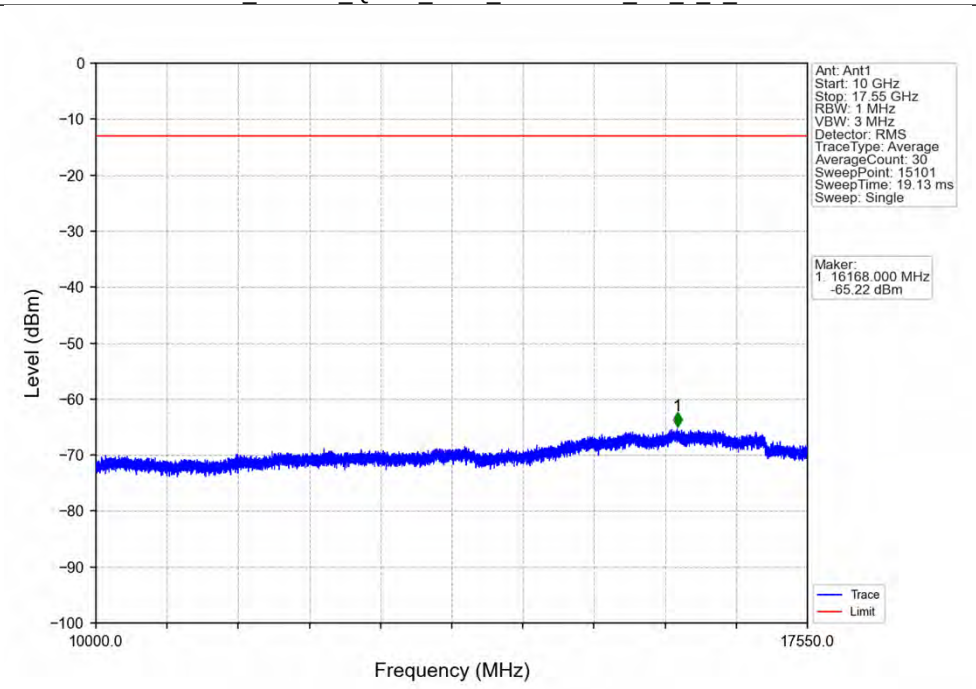


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1708.5	1709	1	18.24	1	1708.989	-26.85	-13	Pass
1709	1710	0.015	0	2	1709.949	-28.12	-13	Pass
1710	1711.5	0.015	0	/	/	/	/	/

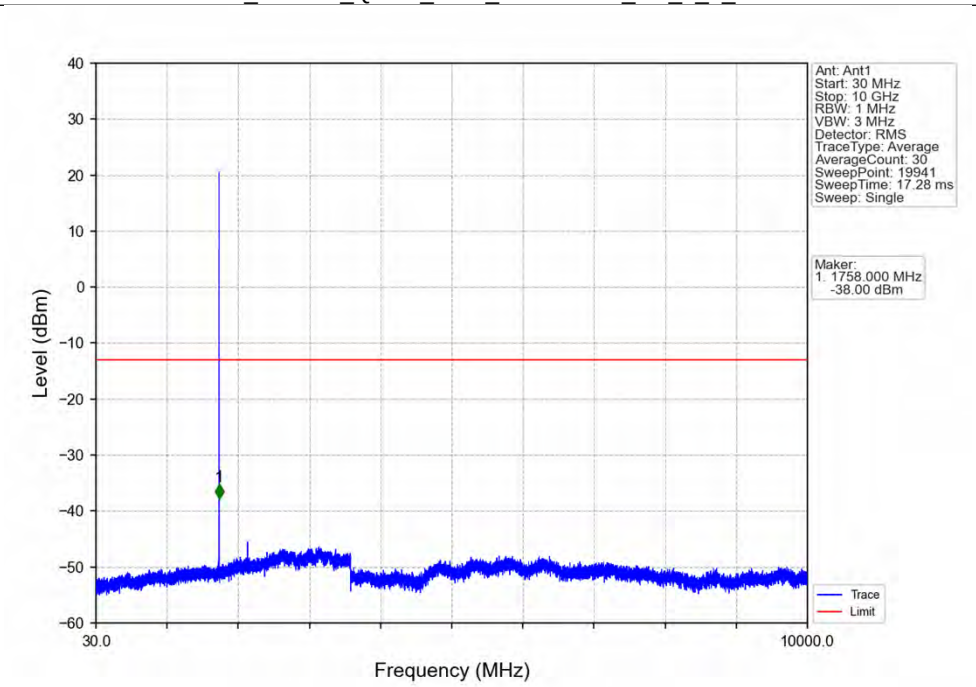
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



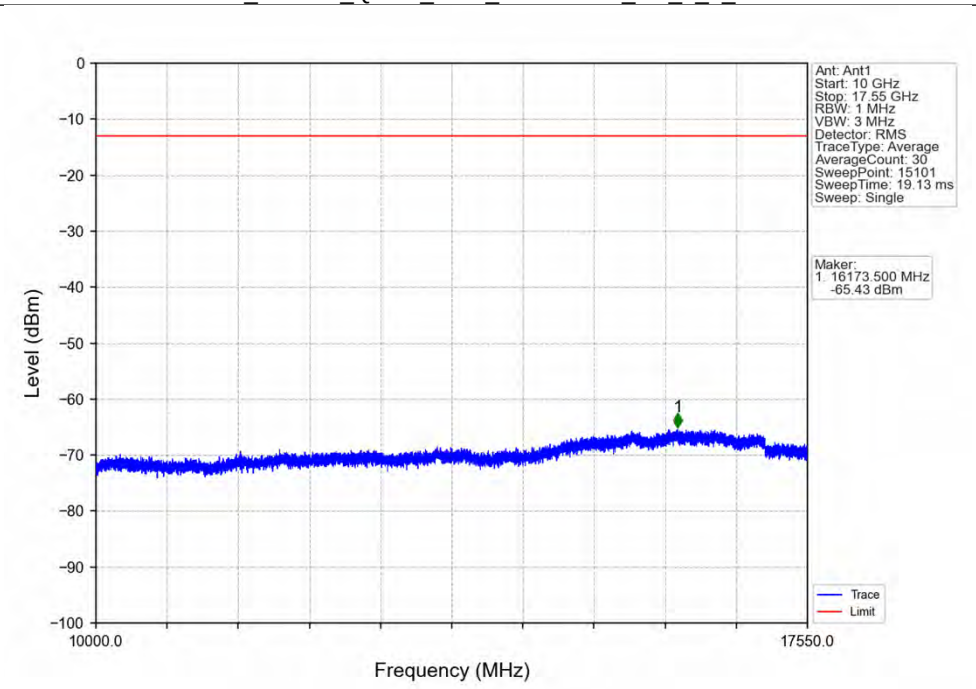
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



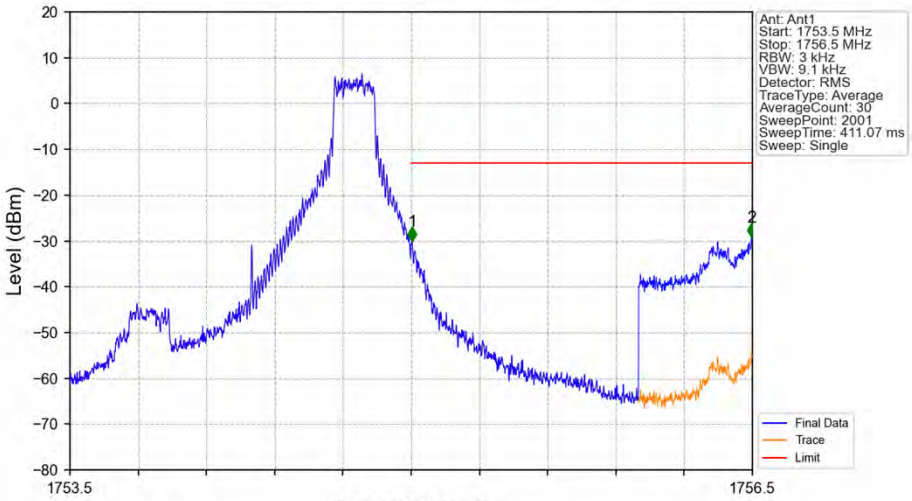
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_0_NTNV



Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_0_NTNV

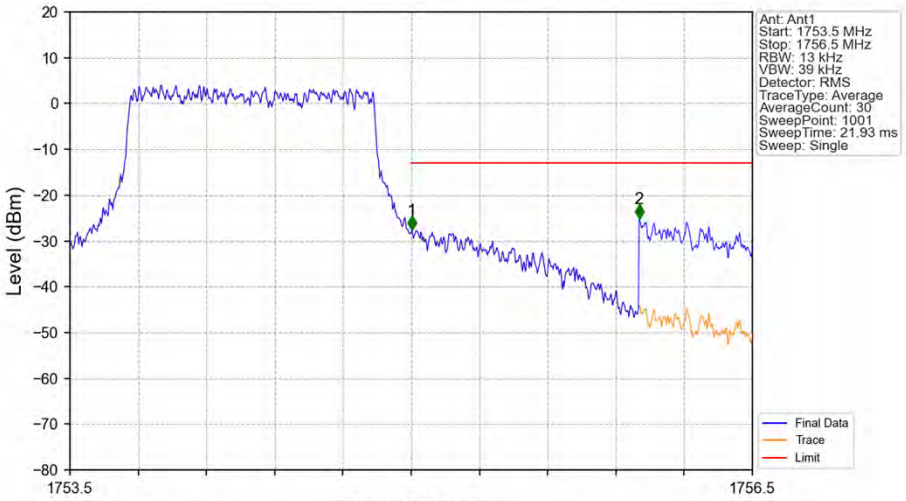


Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_5_NTNV



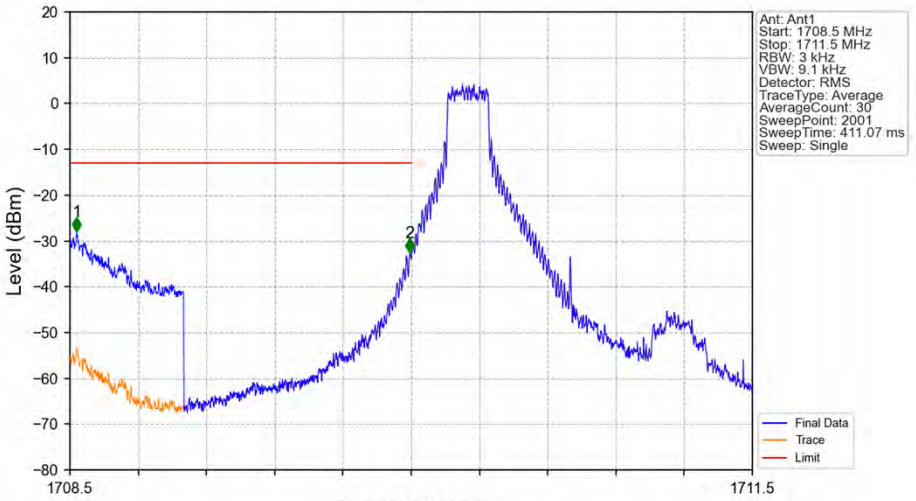
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1753.5	1755	0.003	0	/	/	/	/	/
1755	1756	0.003	0	1	1755.005	-30.14	-13	Pass
1756	1756.5	1	25.23	2	1756.495	-29.24	-13	Pass

Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



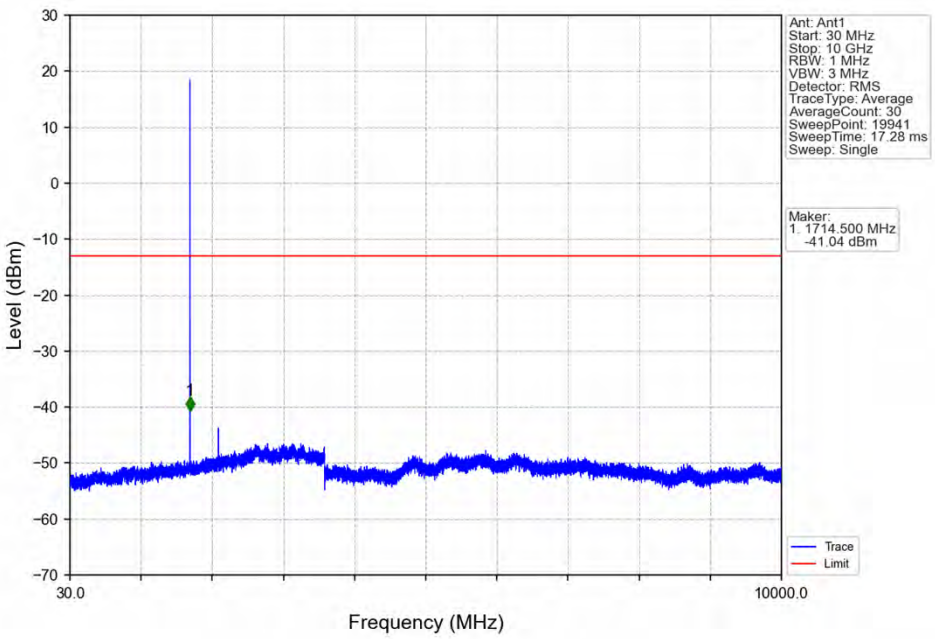
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1753.5	1755	0.013	0	/	/	/	/	/
1755	1756	0.013	0	1	1755.003	-27.68	-13	Pass
1756	1756.5	1	18.86	2	1756.002	-25.19	-13	Pass

Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_1_0_NTNV

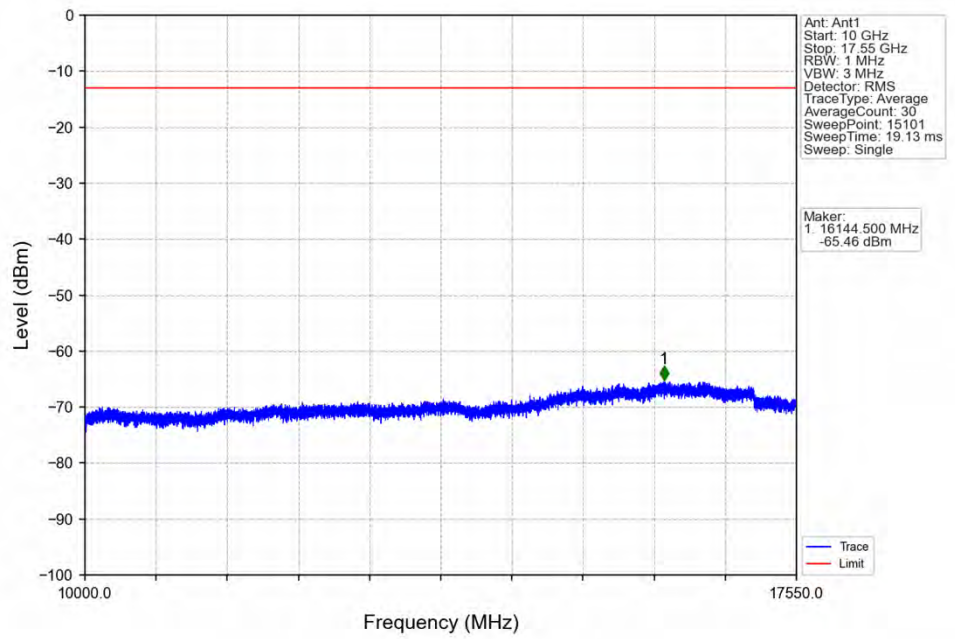


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1708.5	1709	1	25.23	1	1708.530	-27.94	-13	Pass
1709	1710	0.003	0	2	1709.994	-32.63	-13	Pass
1710	1711.5	0.003	0	/	/	/	/	/

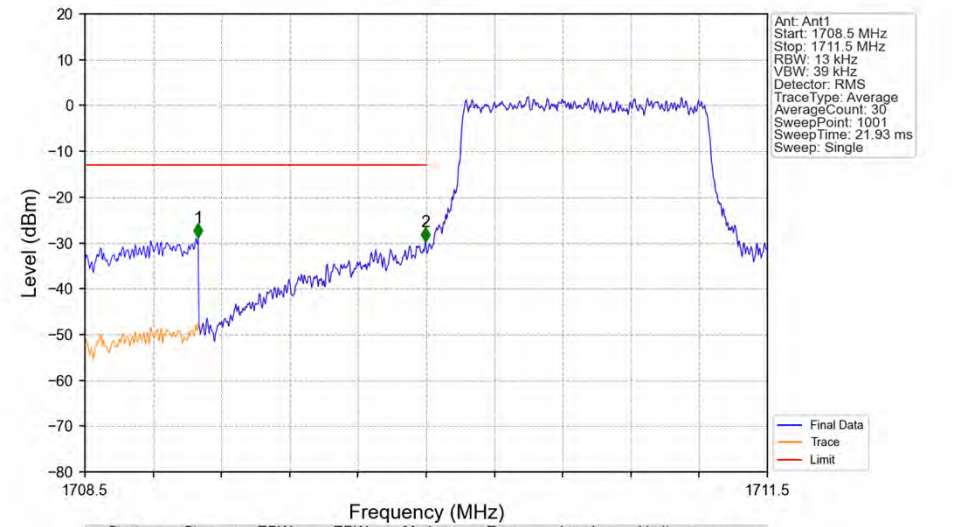
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_1_0_NTNV



Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_1_0_NTNV

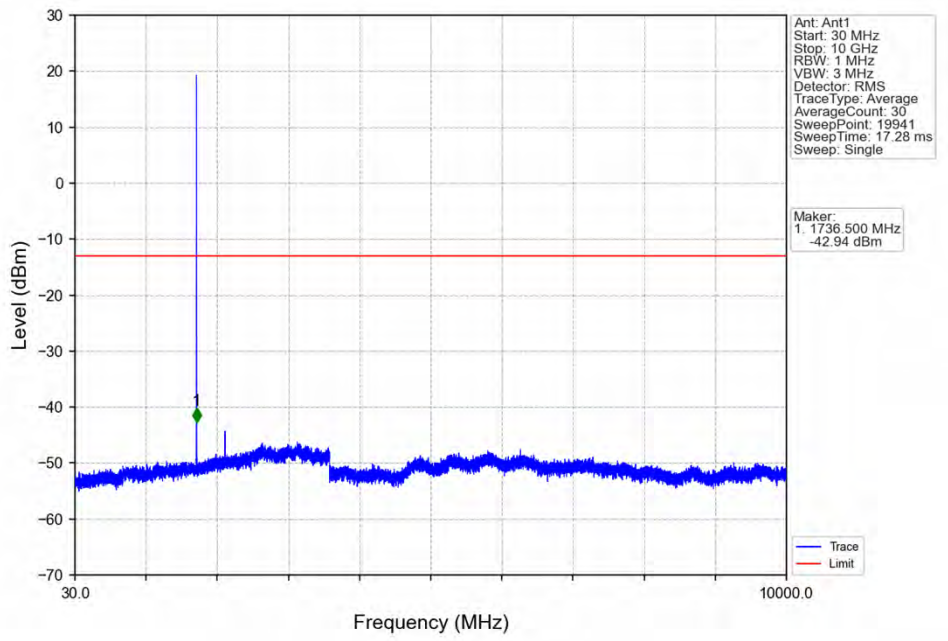


Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV

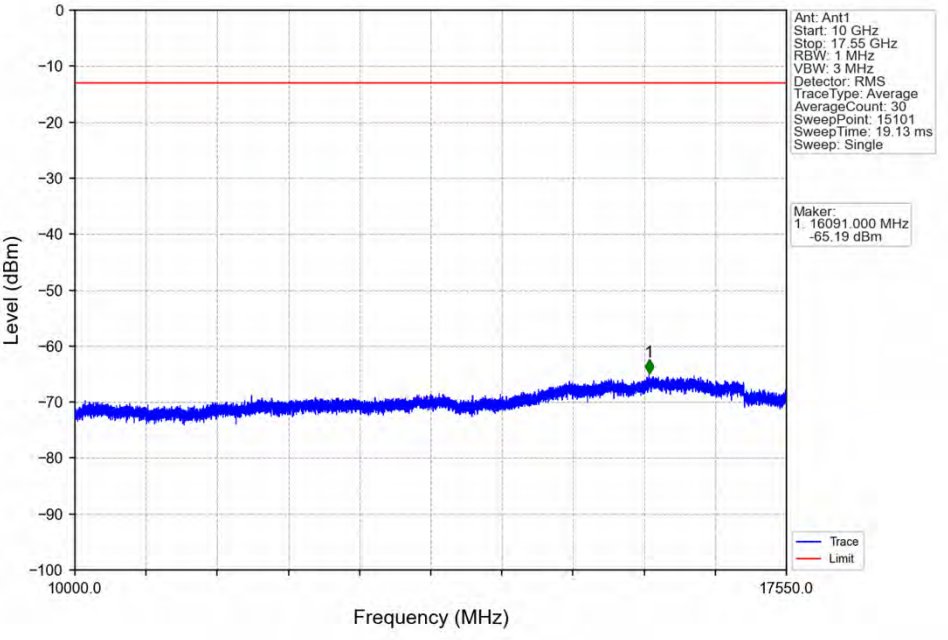


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1708.5	1709	1	18.86	1	1708.998	-28.93	-13	Pass
1709	1710	0.013	0	2	1709.997	-29.70	-13	Pass
1710	1711.5	0.013	0	/	/	/	/	/

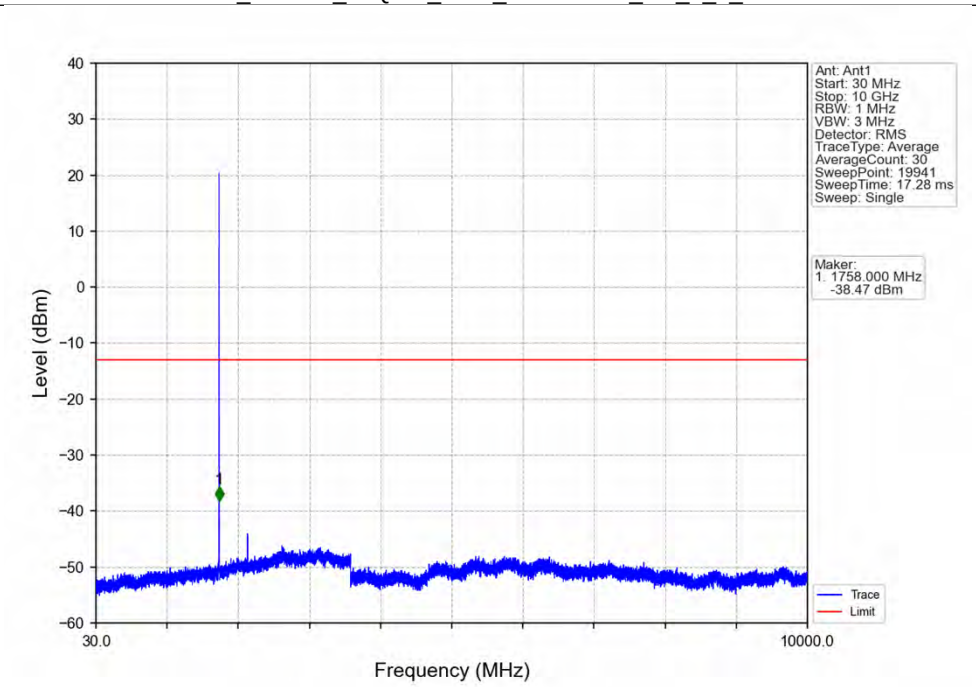
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



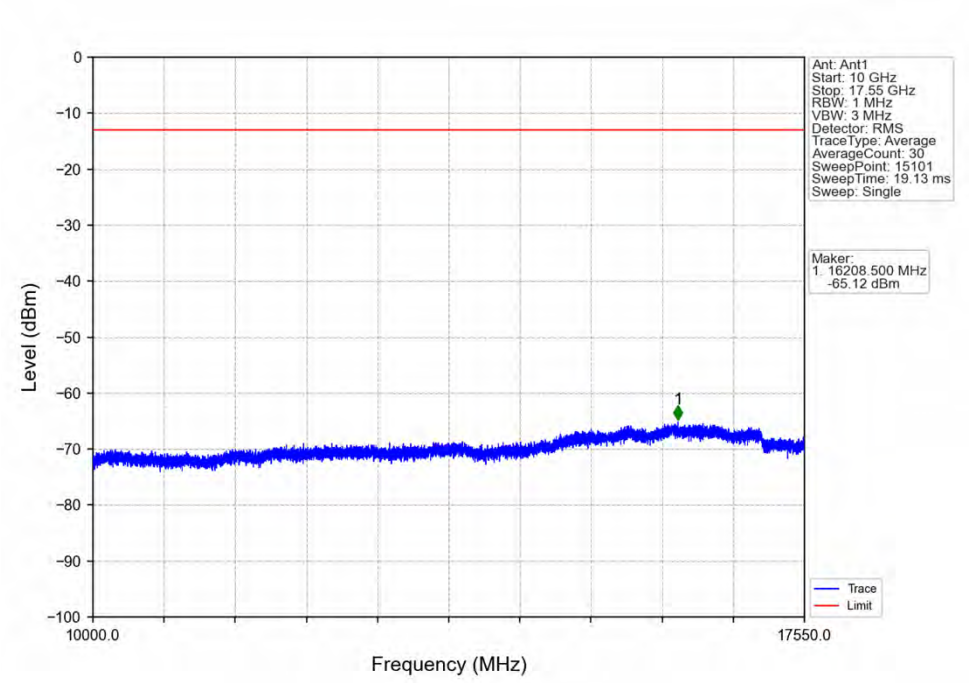
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



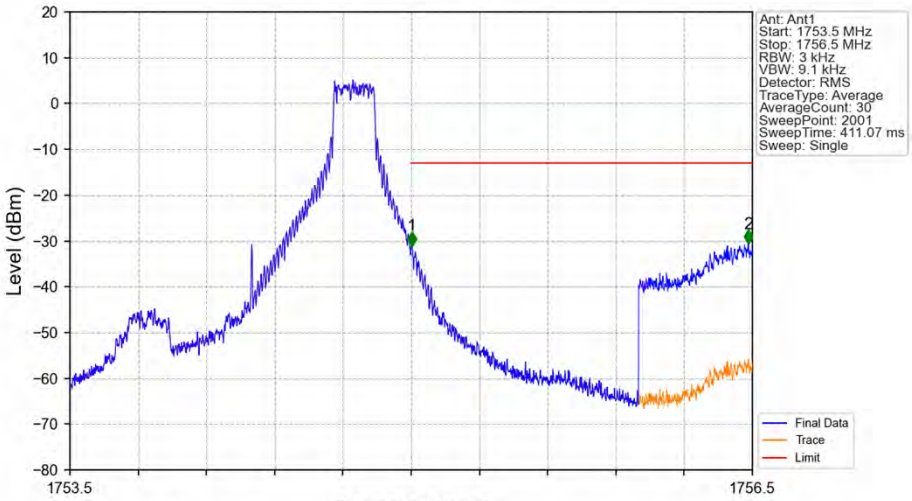
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_1_0_NTNV



Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_1_0_NTNV

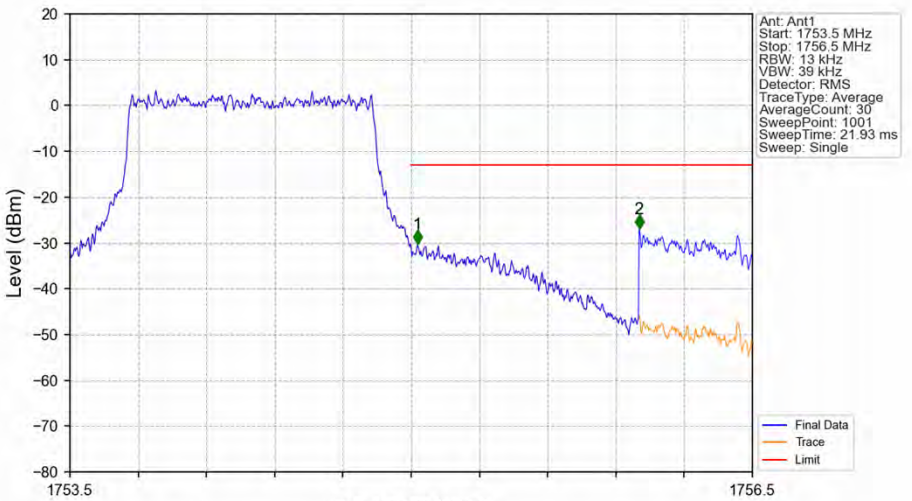


Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_1_5_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1753.5	1755	0.003	0	/	/	/	/	/
1755	1756	0.003	0	1	1755.003	-31.06	-13	Pass
1756	1756.5	1	25.23	2	1756.482	-30.63	-13	Pass

Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1753.5	1755	0.013	0	/	/	/	/	/
1755	1756	0.013	0	1	1755.027	-30.34	-13	Pass
1756	1756.5	1	18.86	2	1756.002	-26.99	-13	Pass

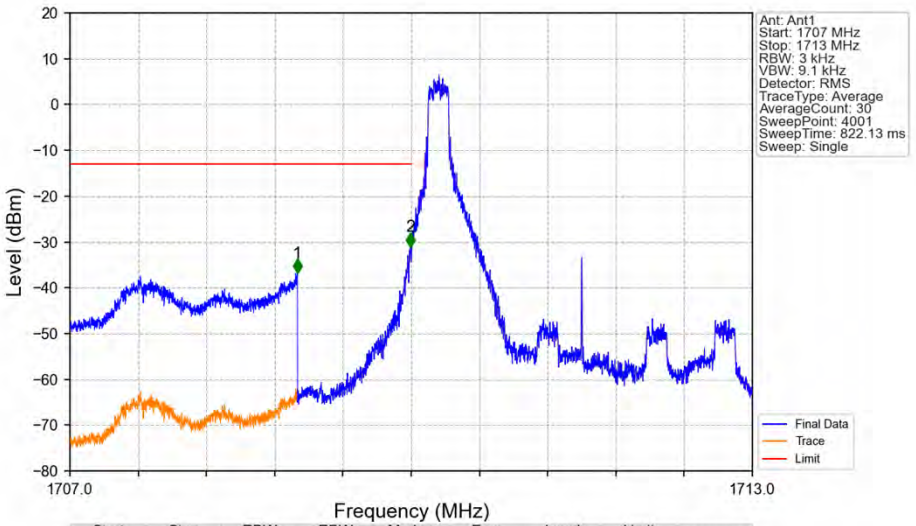
6.2 B4_3MHz

6.2.1 Test Result

Band: 4 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1711.5	1	0	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
	1753.5	1	0	Refer To Test Graph		Pass
			14	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
16QAM	1711.5	1	0	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
	1753.5	1	0	Refer To Test Graph		Pass
			14	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass

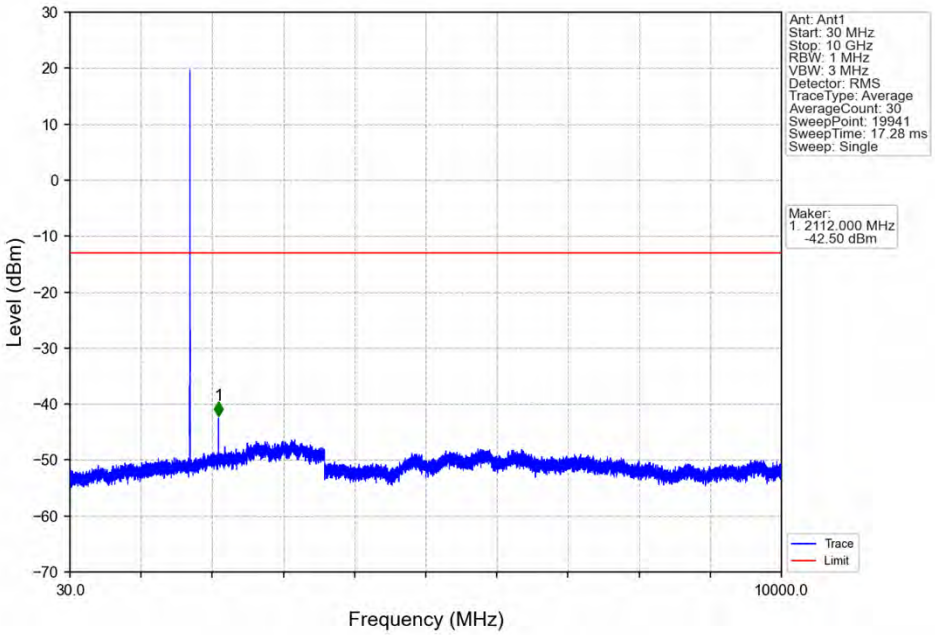
6.2.2 Test Graph

Band4_3MHz_QPSK_LCH_1711.5MHz_RB_1_0_NTNV

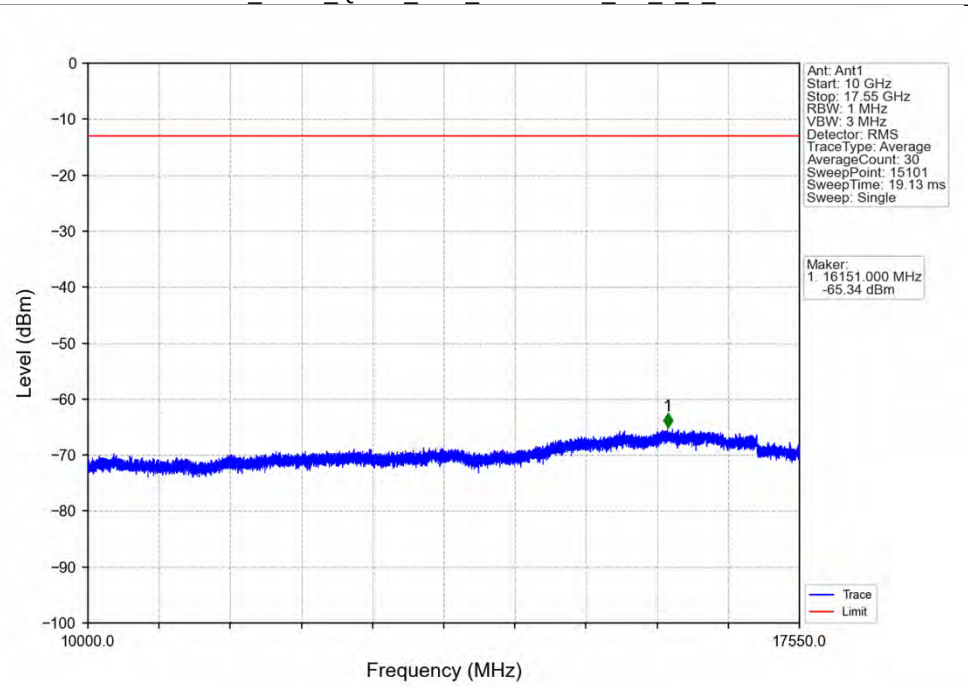


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	25.23	1	1708.998	-36.80	-13	Pass
1709	1710	0.003	0	2	1709.994	-31.07	-13	Pass
1710	1713	0.003	0	/	/	/	/	/

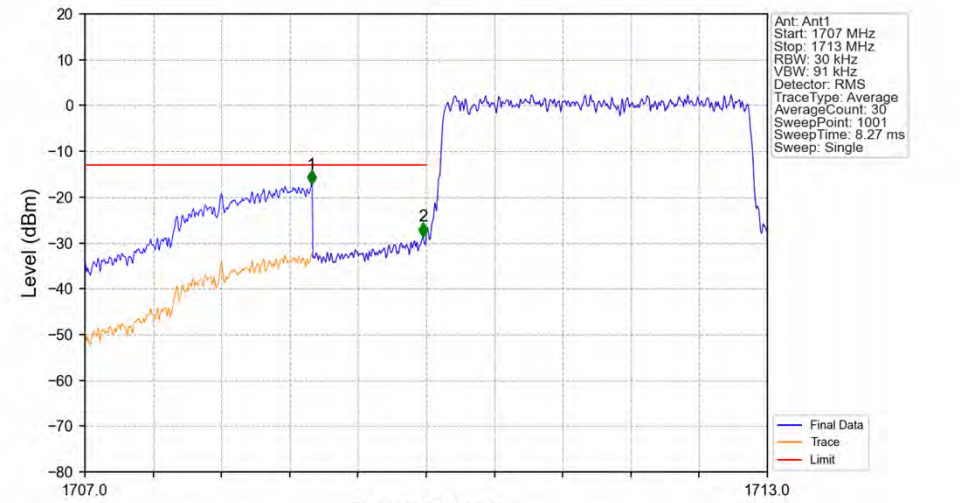
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_1_0_NTNV



Band4_3MHz_QPSK_LCH_1711.5MHz_RB_1_0_NTNV

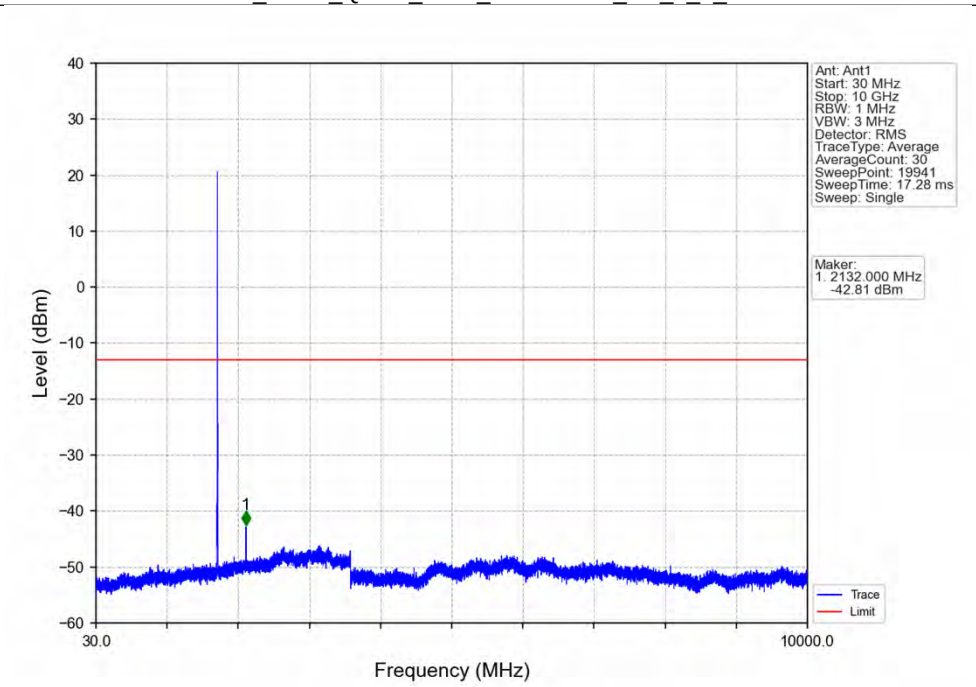


Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV

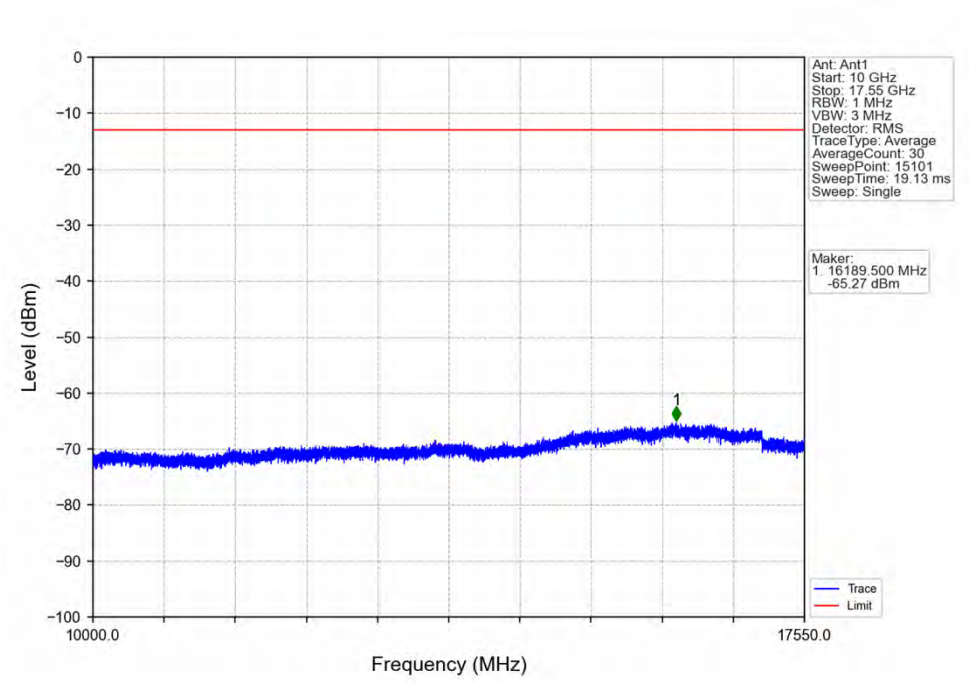


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	15.23	1	1708.992	-17.16	-13	Pass
1709	1710	0.03	0	2	1709.970	-28.58	-13	Pass
1710	1713	0.03	0	/	/	/	/	/

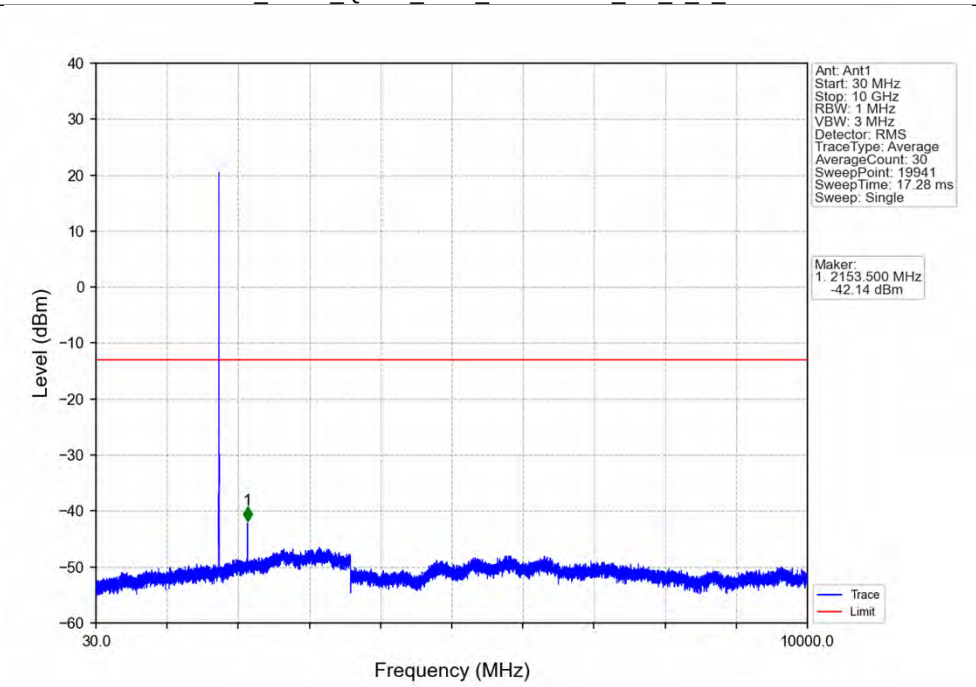
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



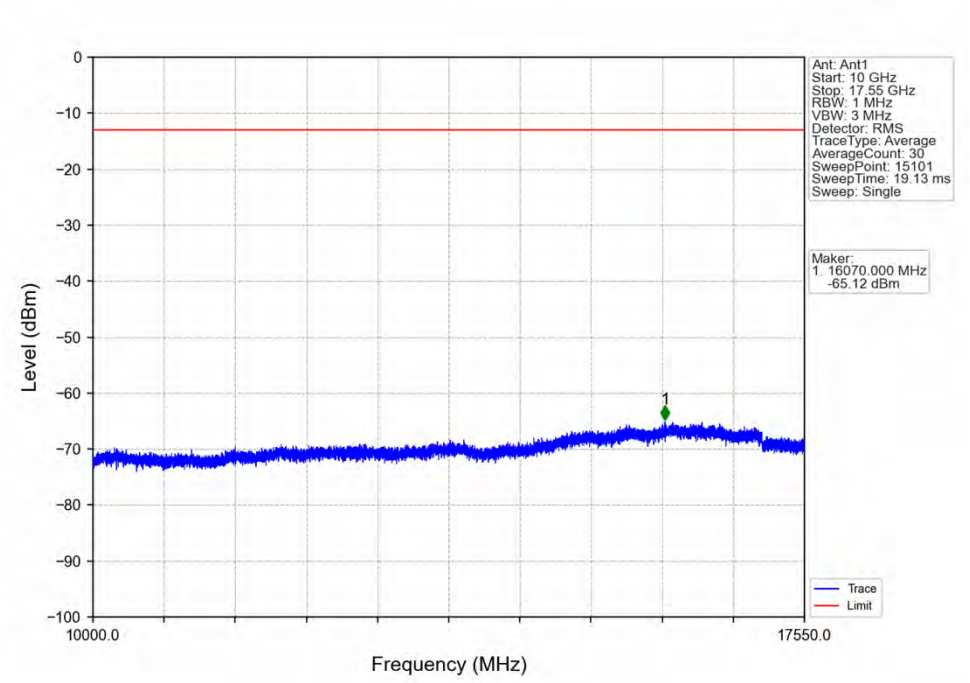
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



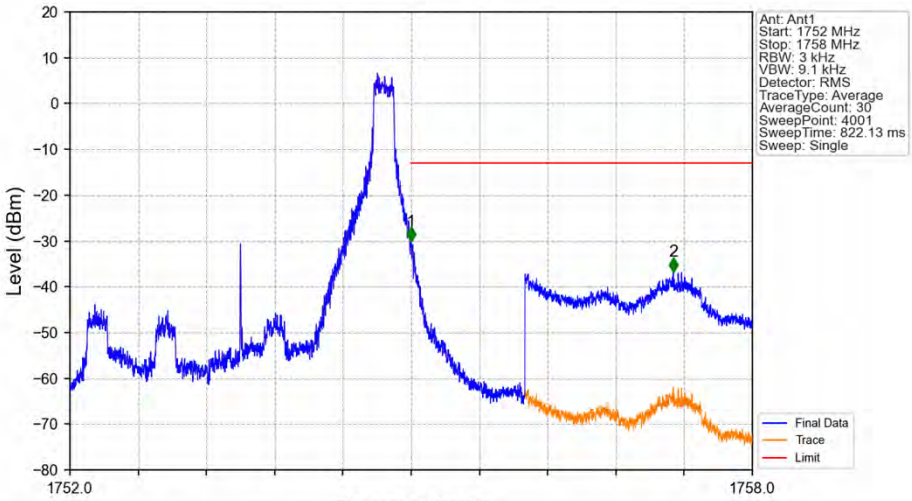
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_1_0_NTNV



Band4_3MHz_QPSK_HCH_1753.5MHz_RB_1_0_NTNV

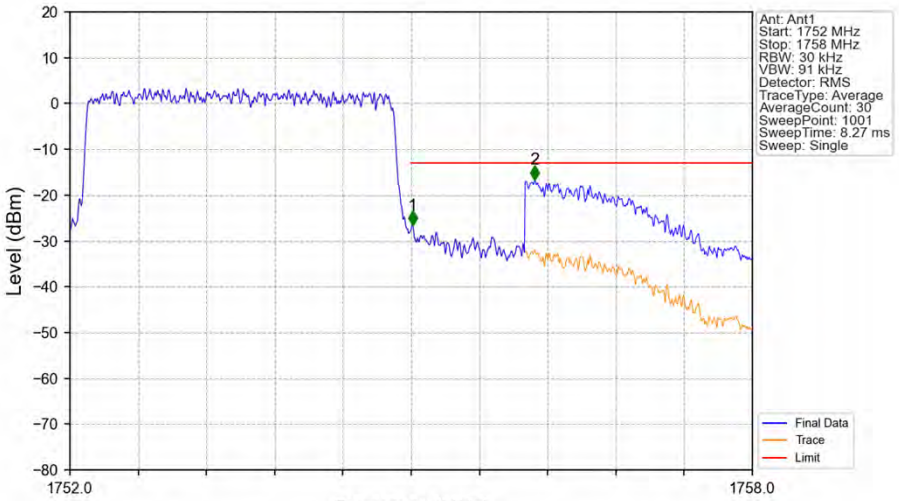


Band4_3MHz_QPSK_HCH_1753.5MHz_RB_1_14_NTNV



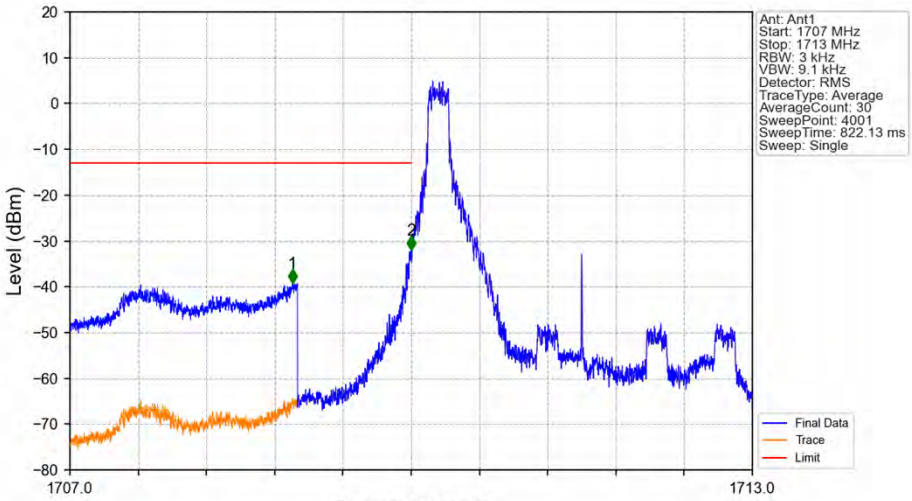
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1752	1755	0.003	0	/	/	/	/	/
1755	1756	0.003	0	1	1755.000	-30.07	-13	Pass
1756	1758	1	25.23	2	1757.304	-36.73	-13	Pass

Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



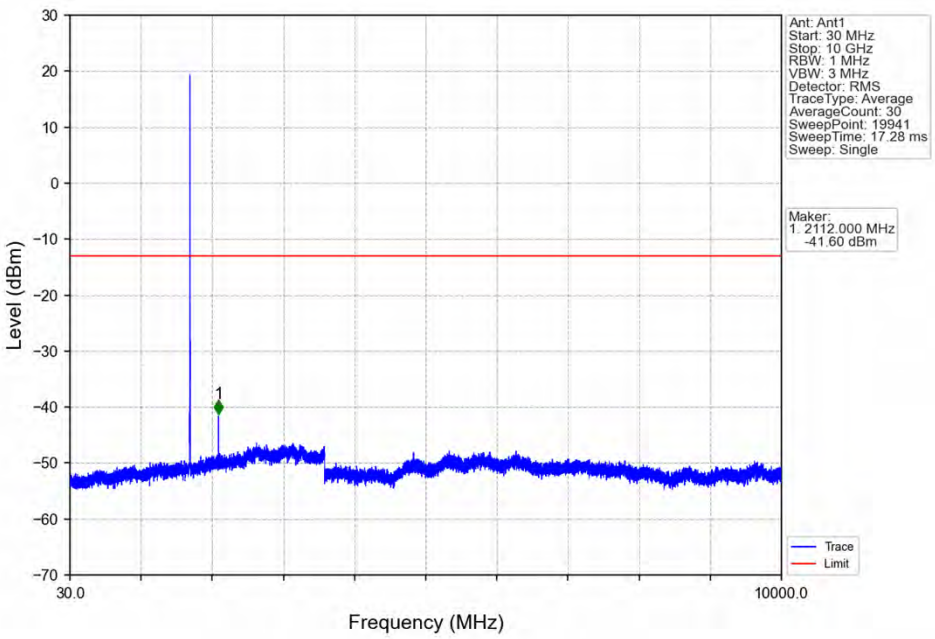
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1752	1755	0.03	0	/	/	/	/	/
1755	1756	0.03	0	1	1755.012	-26.59	-13	Pass
1756	1758	1	15.23	2	1756.086	-16.61	-13	Pass

Band4_3MHz_16QAM_LCH_1711.5MHz_RB_1_0_NTNV

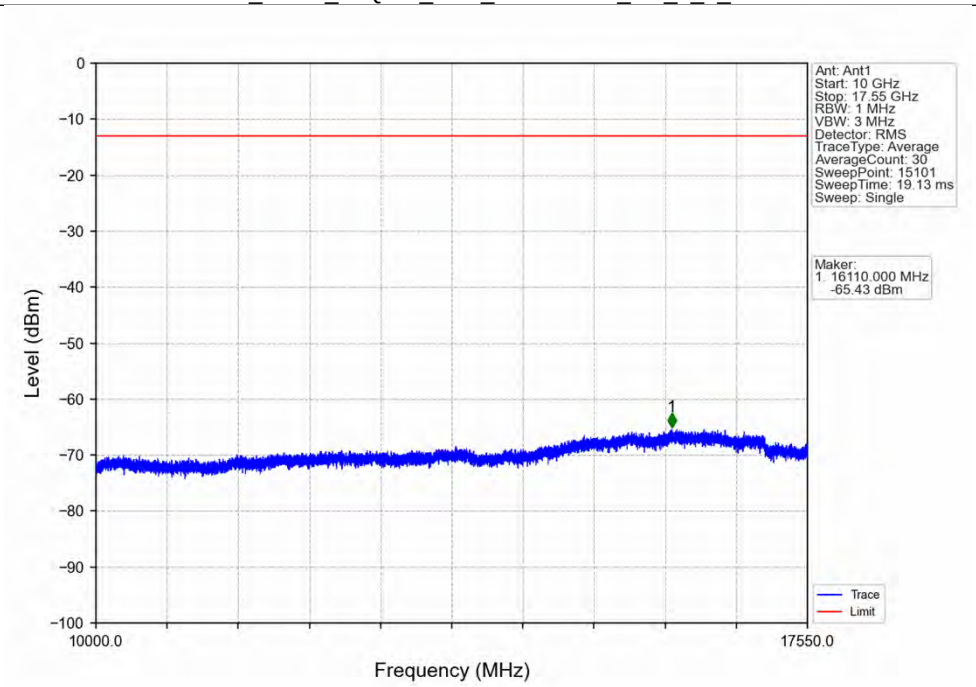


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	25.23	1	1708.956	-39.22	-13	Pass
1709	1710	0.003	0	2	1709.998	-32.07	-13	Pass
1710	1713	0.003	0	/	/	/	/	/

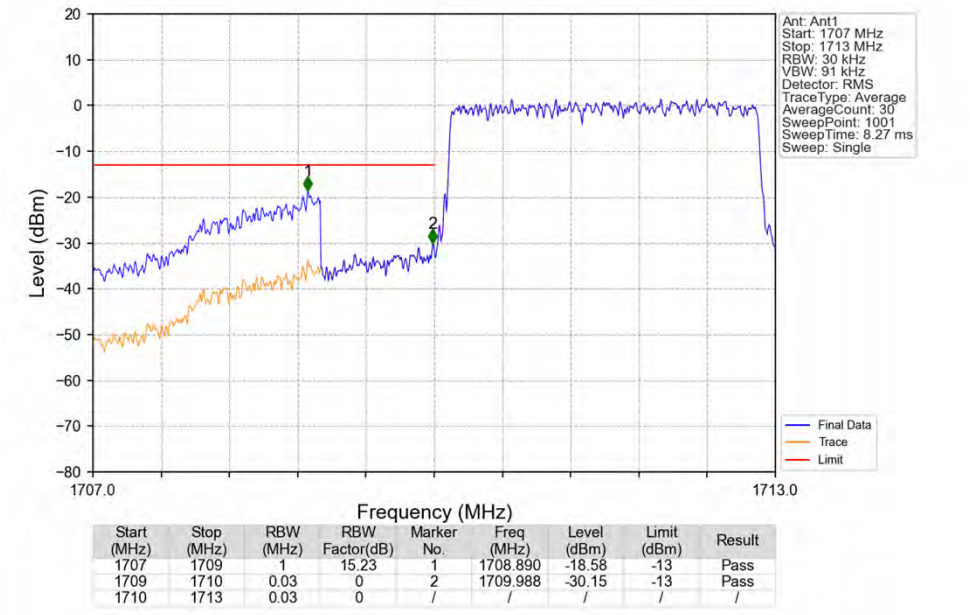
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_1_0_NTNV



Band4_3MHz_16QAM_LCH_1711.5MHz_RB_1_0_NTNV

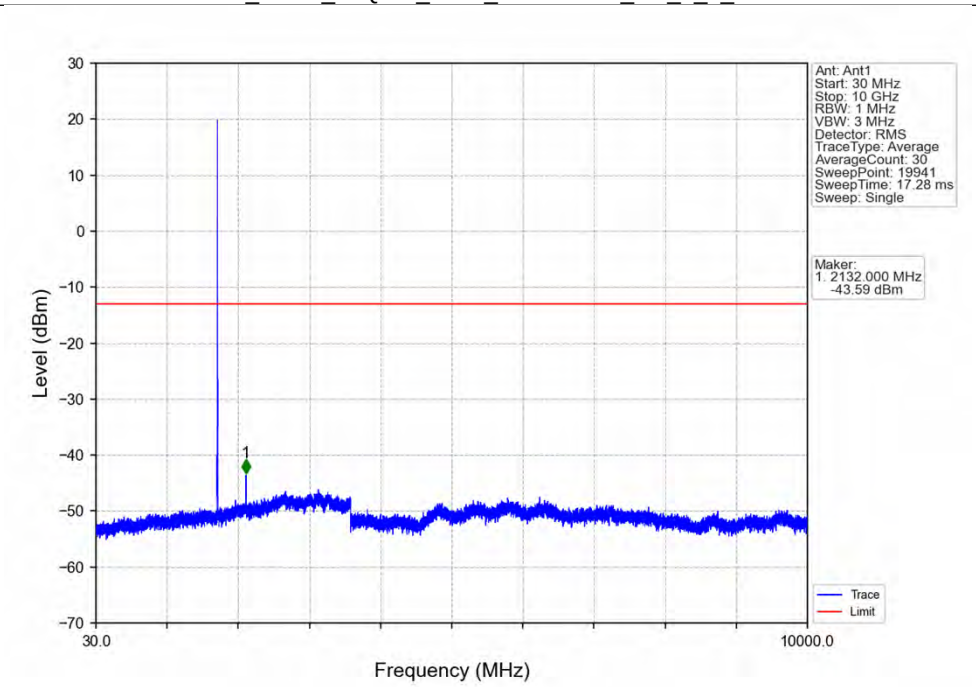


Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV

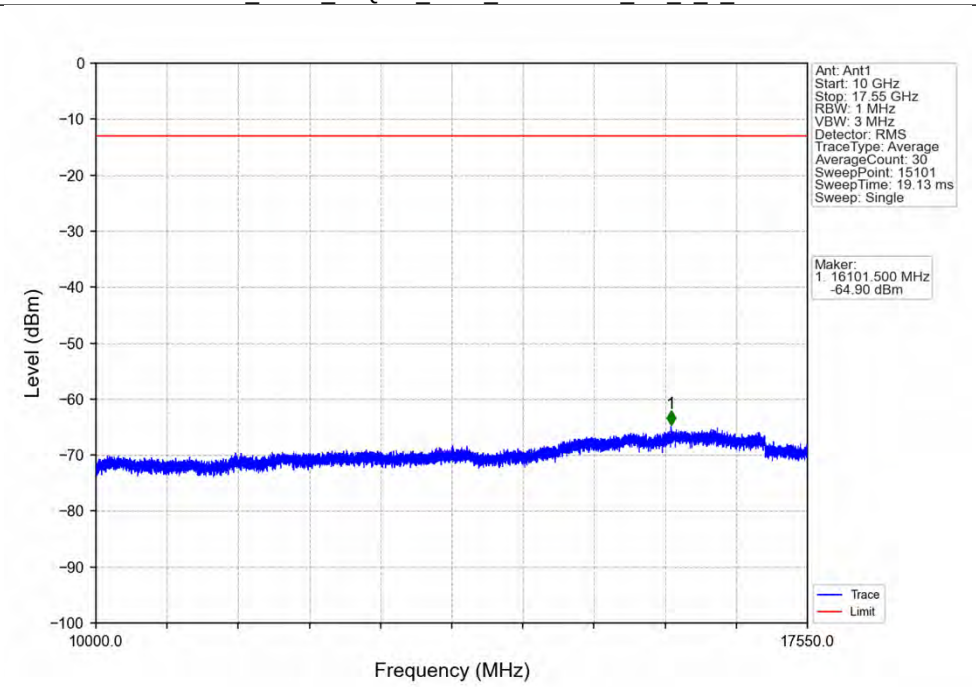


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	15.23	1	1708.890	-18.58	-13	Pass
1709	1710	0.03	0	2	1709.988	-30.15	-13	Pass
1710	1713	0.03	0	/	/	/	/	/

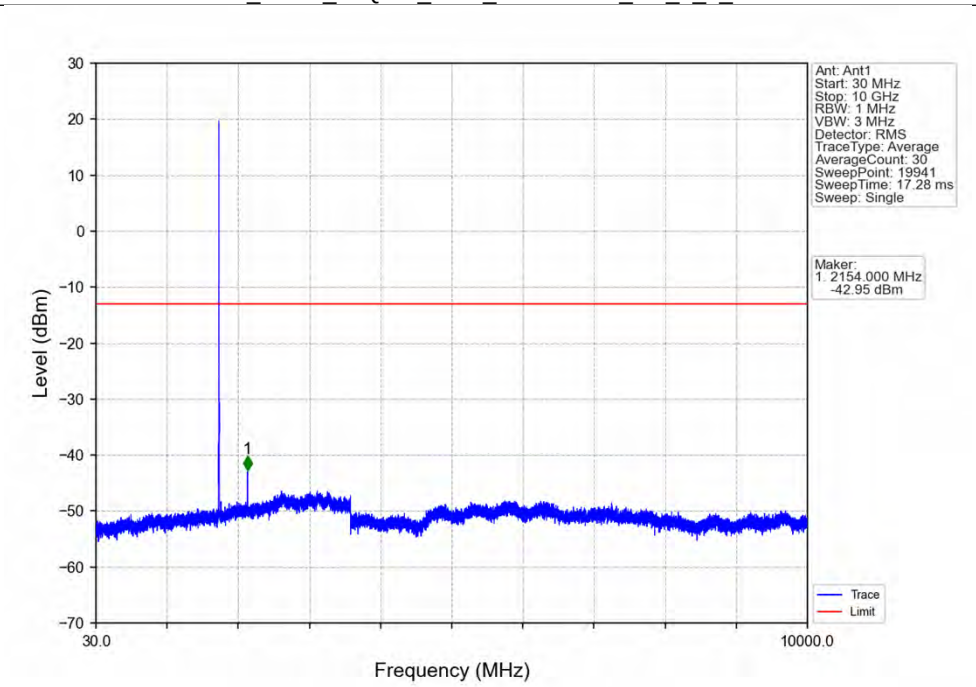
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



Band4_3MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



Band4_3MHz_16QAM_HCH_1753.5MHz_RB_1_0_NTNV



Band4_3MHz_16QAM_HCH_1753.5MHz_RB_1_0_NTNV